



**REMOVAL PROGRAM  
CHRONOLOGICAL SUMMARY REPORT  
FOR THE  
LISBON MILLER LOTS 34, 35, and 37 SITE  
LISBON, MAINE  
24 SEPTEMBER 2003**

Prepared For:

U.S. Environmental Protection Agency  
Region I  
Emergency Planning and Response Branch  
1 Congress Street, Suite 1100  
Boston, MA 02114-2023

CONTRACT NO. 68-W-00-097

TDD NO. 03-08-0014

TASK NO. 6379

DC NO. R-2439

Submitted By:

Weston Solutions, Inc.  
Region I  
Superfund Technical Assessment and Response Team 2000 (START)  
37 Upton Drive  
Wilmington, MA 01887

December 2003

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## I. Narrative Chronology

## **Narrative Chronology**

### **Introduction**

The Lisbon Miller Lots 34, 35, and 37 Site (the site) is composed of three properties located along Mill Street and Paper Mill Road in Lisbon, Androscoggin County, Maine. Geographic coordinates of the site are latitude 44° 01' 17" north, and longitude 70° 05' 33" west, as measured from the approximate center of Lot No. 35 [see Appendix A - Site Location Map (Figure 1)]. The site is identified as Lot Nos. 34, 35, and 37 on Lisbon Town Map U-13. Lot No. 34 is bordered to the north by the Sabattus River; to the east by Mill Street; and to the south and west by undeveloped, wooded property. Lot No. 35 is bordered to the north by undeveloped, wooded property; to the east by Mill Street; and to the south and west by the Sabattus River. Lot No. 35 is bordered to the south by Paper Mill Road; and to the north, east, and west, by undeveloped property [see Appendix B - Sample Location Diagram (Figure 2)].

### **Site History**

The site was purchased by Miller Industries, Inc. (Miller) circa 1970 as part of the Mill Street Textile Mill, which is located along the opposite side of the street, at 15-19 Mill Street. Lot Nos. 35 and 37 are vacant properties with no buildings. Lot No. 35, located across the street from the Mill Street Mill, is predominantly level and partially vegetated, and was used primarily as a parking area. Lot No. 37 is a vegetated lot located north of the mill, with no known former industrial or commercial use. One building and two clarifying tanks are located on Lot No. 34, which was the location of the water treatment system for the Mill Street Mill. The lot is wooded with varying terrain elevation. Access to the building is restricted, and all chemicals/waste have allegedly been removed from the building. Large amounts of mercury were reportedly taken from manometers within the building by vandals in the early 1990s. The manometers have since been removed from the building, although mercury remains a contaminant of concern.

During the process of evaluating hazardous waste generator closure at this and other sites owned by Miller, the Maine Department of Environmental Protection (ME DEP) identified issues that must be addressed before clean closure could be certified. Miller retained the services of environmental consultant Sevee & Maher Engineering, Inc. (SMEI), which prepared sampling and analysis plans for this site and the other sites. Contaminants identified at other mill properties owned by Miller include asbestos-containing materials, polychlorinated biphenyls (PCBs), lead paint, metals-containing dye powders and liquids, mercury-containing fluorescent lights, and various chemicals used in textile production including metals, acids, and volatile organic compounds (VOCs). Miller has not indicated any future plans for the site.

### **Site Activities**

On 28 August 2003, Weston Solutions, Inc., Superfund Technical Assessment and Response Team (START) members Mandy Butterworth, Paul Callahan, and Bill Mahany; and U. S. Environmental Protection Agency (EPA) On-Scene Coordinators (OSCs) Wing Chau and Catherine Young mobilized to the site and met ME DEP representative Andy Slusarski and SMEI representative Guy Cote for the purpose of conducting a site reconnaissance. START personnel established a support zone, and calibrated the air monitoring instruments, which included a photoionization detector (PID), a flame ionization detector (FID), a combustible gas indicator/oxygen meter (CGI/O<sub>2</sub>), and a

radiation meter (MicroR). Ambient conditions were documented in the site health and safety plan (HASP) as follows: PID = 0.0 units; FID = 0.0 units; oxygen ( $O_2$ ) = 21%; lower explosive limit (LEL) = 0%; and MicroR = 12 microroentgens per hour ( $\mu R/hr$ ). The HASP was prepared as a separate document, entitled *Removal Program Site Health and Safety Plan for the Lisbon Miller Lots 34, 35, and 37 Preliminary Assessment/Site Investigation, Lisbon, Maine*.

A walk-through of the site was conducted by all site personnel. Lot No. 34 was observed to be wooded, with varying terrain elevation. A concrete block building was observed approximately in the center of Lot No. 34, which formerly housed water treatment operations for the former Mill Street Mill. Access to the building was restricted, but access to the two clarifier tanks located west of the building was unrestricted. Lot No. 35, located along the opposite side of the street of the former Mill Street Mill weave house, was a predominantly level, gravel parking area, upon which four truck trailers were staged. Lot No. 37 was located north of the former mill along Paper Mill Road. The lot was overgrown, with a dirt path bisecting the property from north to south. Two areas of stressed vegetation were observed approximately in the center of the property.

### **Sampling Activities**

On 24 September 2003, OSC Chau and START members Butterworth, John Burton, and Jessica Burkhamer mobilized to the site to conduct sampling activities. EPA and START personnel were met on site by SMEI representative Guy Cote. OSC Chau and START member Butterworth conducted a walk-through of the site and selected 20 soil sampling stations, labeled SS-01 through SS-20. Samples SS-01 through SS-10 were located on Lot No. 34; samples SS-11 through SS-15 were located on Lot No. 35; and samples SS-16 through SS-20 were located on Lot No. 37. Soil sample locations were marked with pin flags, which were removed from the property at the conclusion of sampling activities.

START personnel donned appropriate personal protective equipment (PPE), as detailed in the site HASP, and began collecting soil samples. Grab soil samples were collected using dedicated sampling equipment, for VOC, semivolatile organic compound (SVOC), pesticide/PCB (pest/PCB), and Target Analyte List (TAL) metals analyses. All sampling activities were conducted in accordance with the site sampling quality assurance/quality control (QA/QC) plan, which has been prepared as a separate document, entitled *Removal Program Sampling Quality Assurance/Quality Control Plan for the Lisbon Miller Lots 34, 35, and 37 Preliminary Assessment/Site Investigation, Lisbon, Maine*. Descriptions of samples collected are presented in Table 1.

**TABLE 1**  
**Sample Descriptions**

Station No. and EPA Sample No.	Sample Type and Matrix	Grab or Composite	Sample Depth * (Inches)	Geographic Coordinates	Comments
SS-01 D11829	Soil	Grab	0 - 3	44° 01' 14.14" N 70° 05' 33.74" W	Lot 34
SS-02 D11830	Soil	Grab	0 - 3	44° 01' 13.89" N 70° 05' 33.29" W	Lot 34
SS-03 D11831	Soil	Grab	0 - 3	44° 01' 13.54" N 70° 05' 33.27" W	Lot 34
SS-04 D11832	Soil	Grab	0 - 3	44° 01' 13.96" N 70° 05' 34.48" W	Lot 34
SS-05 D11833	Soil	Grab	0 - 3	44° 01' 13.65" N 70° 05' 34.37" W	MS/MSD/Dup Lot 34
SS-06 D11834	Soil	Grab	0 - 3	44° 01' 13.41" N 70° 05' 34.42" W	Lot 34
SS-07 D11835	Soil	Grab	0 - 3	44° 01' 13.42" N 70° 05' 34.16" W	Lot 34
SS-08 D11836	Soil	Grab	0 - 3	44° 01' 13.47" N 70° 05' 33.74" W	Lot 34
SS-09 D11837	Soil	Grab	0 - 3	44° 01' 13.22" N 70° 05' 32.93" W	Lot 34
SS-10 D11838	Soil	Grab	0 - 3	44° 01' 13.75" N 70° 05' 32.62" W	Lot 34
SS-11 D11839	Soil	Grab	0 - 3	44° 01' 18.76" N 70° 05' 35.22" W	Lot 35
SS-12 D11840	Soil	Grab	0 - 3	44° 01' 17.86" N 70° 05' 34.43" W	Lot 35
SS-13 D11841	Soil	Grab	0 - 3	44° 01' 18.41" N 70° 05' 33.97" W	Lot 35
SS-14 D11842	Soil	Grab	0 - 3	44° 01' 17.05" N 70° 05' 33.60" W	Lot 35
SS-15 D11843	Soil	Grab	0 - 3	44° 01' 18.27" N 70° 05' 33.11" W	Lot 35
SS-16 D11844	Soil	Grab	0 - 3	44° 01' 19.77" N 70° 05' 26.33" W	Lot 37
SS-17 D11845	Soil	Grab	0 - 3	44° 01' 20.13" N 70° 05' 27.49" W	Lot 37

**Table 1**  
**Sample Descriptions (Concluded)**

Station No. and EPA Sample No.	Sample Type and Matrix	Grab or Composite	Sample Depth * (Inches)	Geographic Coordinates	Comments
SS-18 D11846	Soil	Grab	0 - 3	44° 01' 20.44" N 70° 05' 25.74" W	Lot 37
SS-19 D11847	Soil	Grab	0 - 3	44° 01' 20.71" N 70° 05' 26.21" W	Lot 37
SS-20 D11848	Soil	Grab	0 - 3	44° 01' 18.82" N 70° 05' 26.76" W	Lot 37

MS/MSD/Dup - matrix spike/matrix spike duplicate/duplicate.

N - north latitude.

W - west longitude.

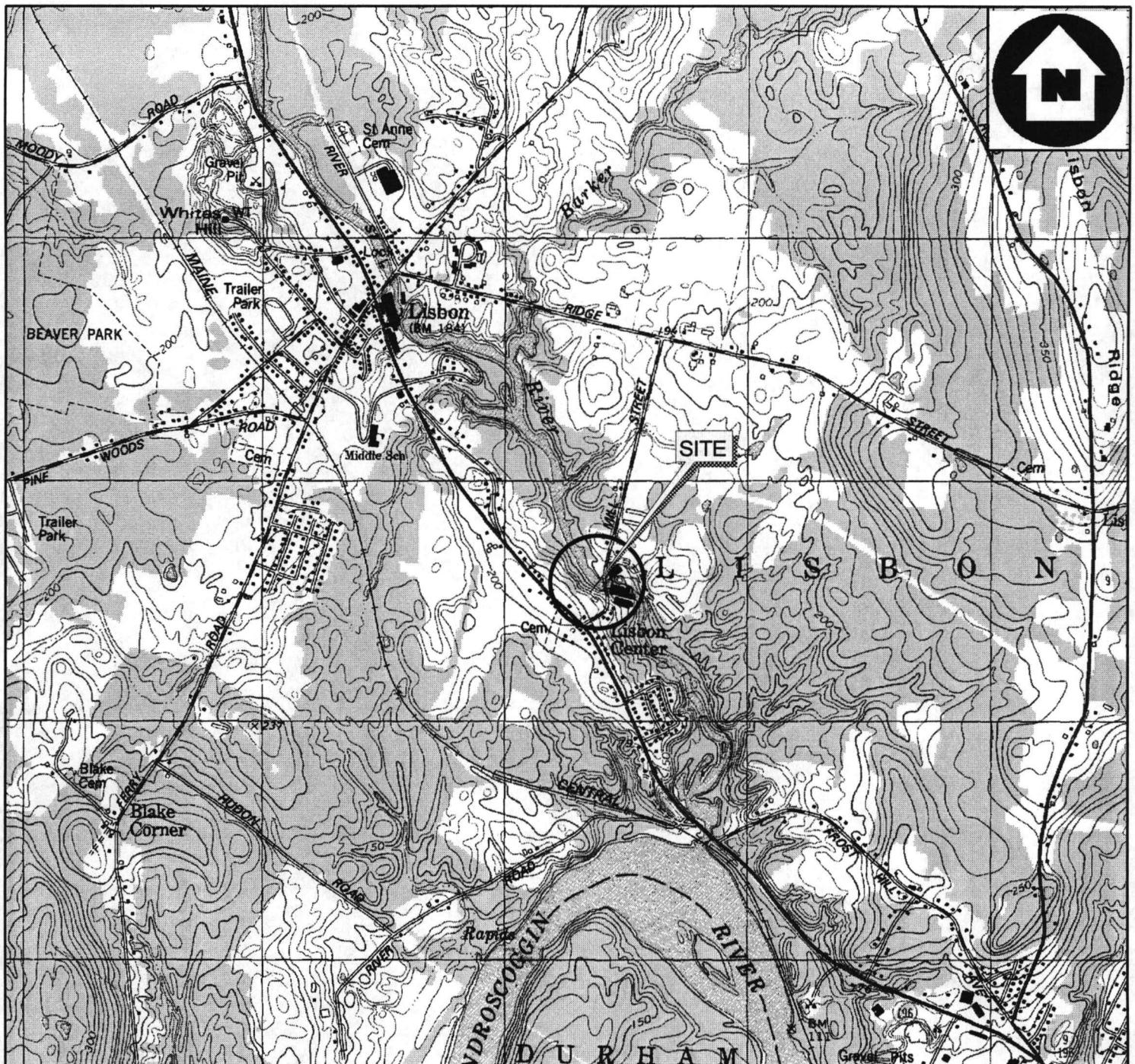
Upon completion of sampling activities, the geographic coordinates of each sample location were recorded using a Trimble Pathfinder Global Positioning System (GPS) unit, and sample locations/site conditions were photodocumented (see Appendix C - Photodocumentation Log). START personnel labeled and packaged the samples, placed the sample containers in a cooler with ice, loaded the vehicles, and departed the site.

On 25 September 2003, START personnel completed chain-of-custody paperwork, and shipped the samples via Fed Ex to their respective laboratories (see Appendix D - Chain-of-Custody Record). Samples to be analyzed for organic parameters were sent to Southwest Laboratories of Oklahoma, Inc., located in Broken Arrow, Oklahoma, and samples to be analyzed for inorganic parameters were sent to Sentinel, Inc., located in Huntsville, Alabama (see Appendix E - Analytical Data).

## II. Appendices

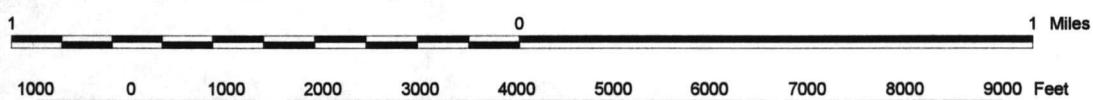
**Appendix A**

**Site Location Map (Figure 1)**



BASE MAP IS A PORTION OF THE FOLLOWING 7.5 X 15' U.S.G.S. QUADRANGLE(S):

LISBON FALLS NORTH, MAINE. 1979.



QUADRANGLE LOCATION

### SITE LOCATION MAP

LISBON MILLER LOTS 34, 35 , AND 37  
 MILL STREET  
 LISBON, MAINE

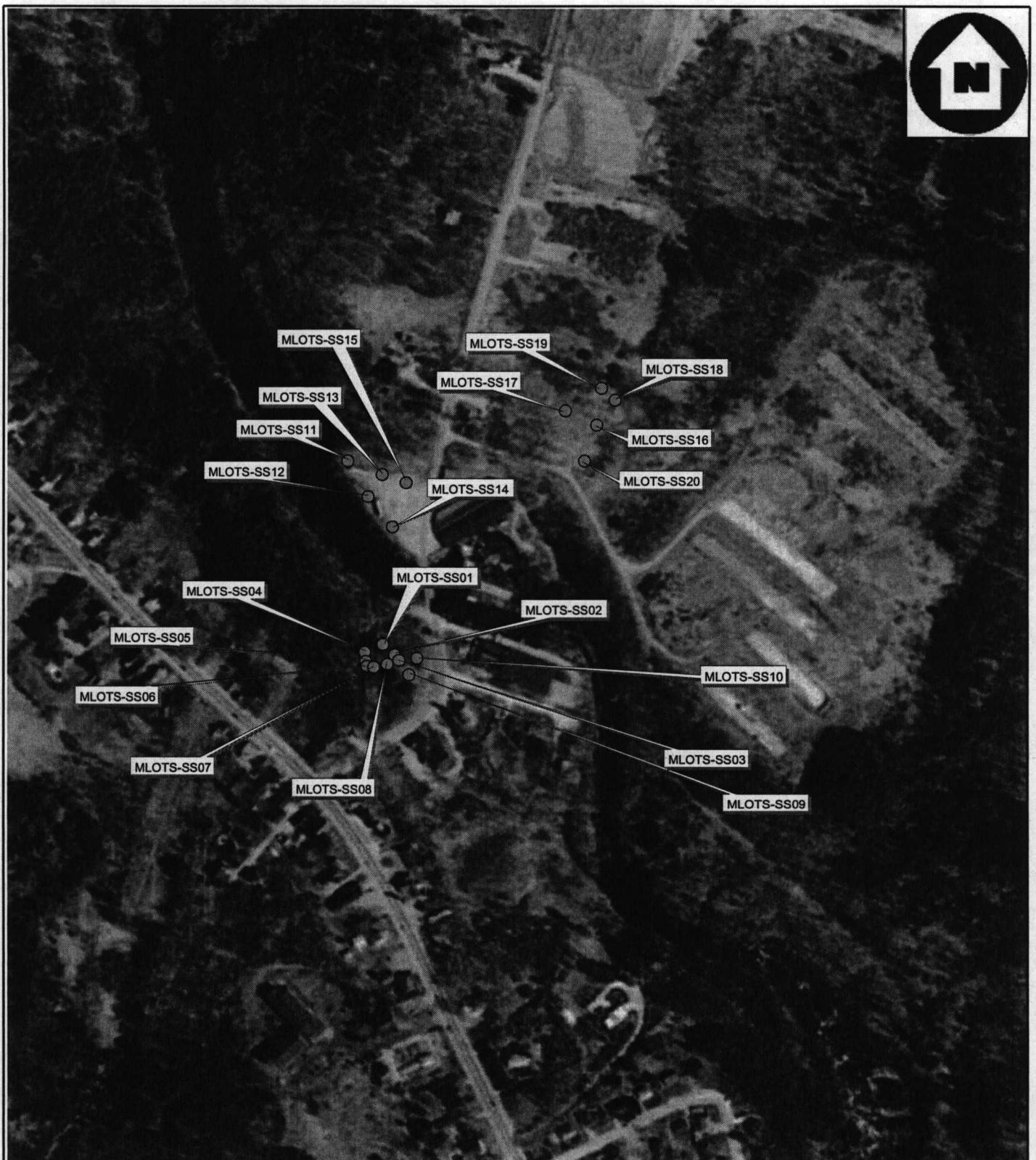
**WESTON**  
 SOLUTIONS<sup>SM</sup>  
Restoring Resource Efficiency

REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD # 03-08-0014	DRAWN BY: BUTTERWORTH	DATE: 11/13/2003
FILE NAME: E:\ARC_APRS\START2\MILLERMAINESITES.APR		FIGURE 1

**Appendix B**

**Sample Location Diagram (Figure 2)**



### SAMPLE LOCATION DIAGRAM

LISBON MILLER LOTS 34, 35, AND 37  
MILL STREET  
LISBON, MAINE



REGION I SUPERFUND TECHNICAL ASSESSMENT AND RESPONSE TEAM

TDD NUMBER: 03-08-0014	CREATED BY: D. MUZRALL	CREATED ON: 11/5/2003
FILE LOCATION: E:\ARC_APRS\START2\MILLERMAMESITES.APR	FIGURE 2	

## **Appendix C**

### **Photodocumentation Log**

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**



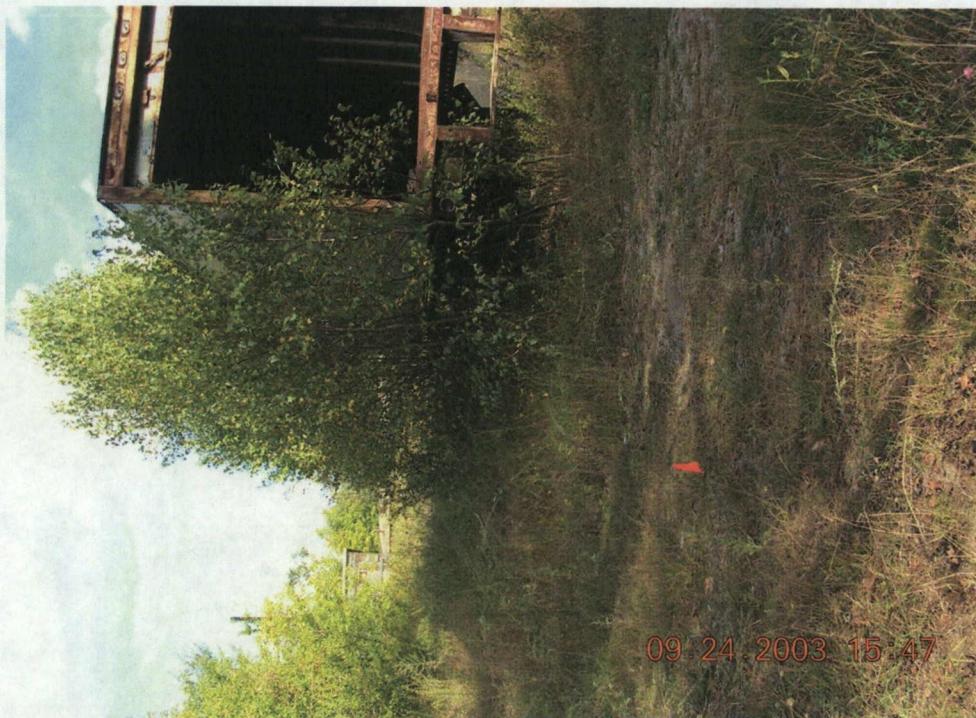
**SCENE:** View of sample location SS-12, located on Lot 35, east of the Sabattus River. Photograph taken facing west.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 15:44 hours

**CAMERA:** Nikon CoolPix 3100



**SCENE:** View of sample location SS-11, located on the northwestern portion of Lot 35. Photograph taken facing east.

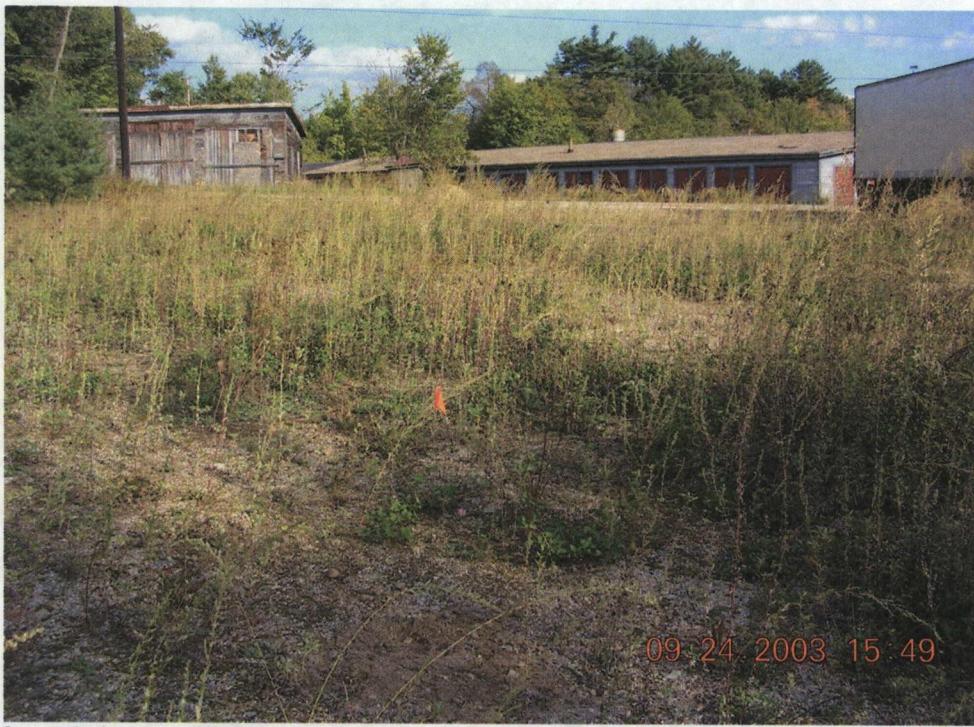
**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 15:47 hours

**CAMERA:** Nikon CoolPix 3100

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**



09-24-2003 15:49

**SCENE:** View of sample location SS-13, located on the northern portion of Lot 35. Photograph taken facing east.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 15:49 hours

**CAMERA:** Nikon CoolPix 3100



09-24-2003 15:50

**SCENE:** View of sample location SS-14, located on the northeastern portion of Lot 35. Photograph taken facing east.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 15:50 hours

**CAMERA:** Nikon CoolPix 3100

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**



**SCENE:** View of sample location SS-10, located along the southeastern corner of the ridge on Lot 34. Photograph taken facing east.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 15:54 hours

**CAMERA:** Nikon CoolPix 3100



**SCENE:** View of sample location SS-03, located adjacent to the southern side of the site building on Lot 34. Photograph taken facing west.

**DATE:** 24 September 2003

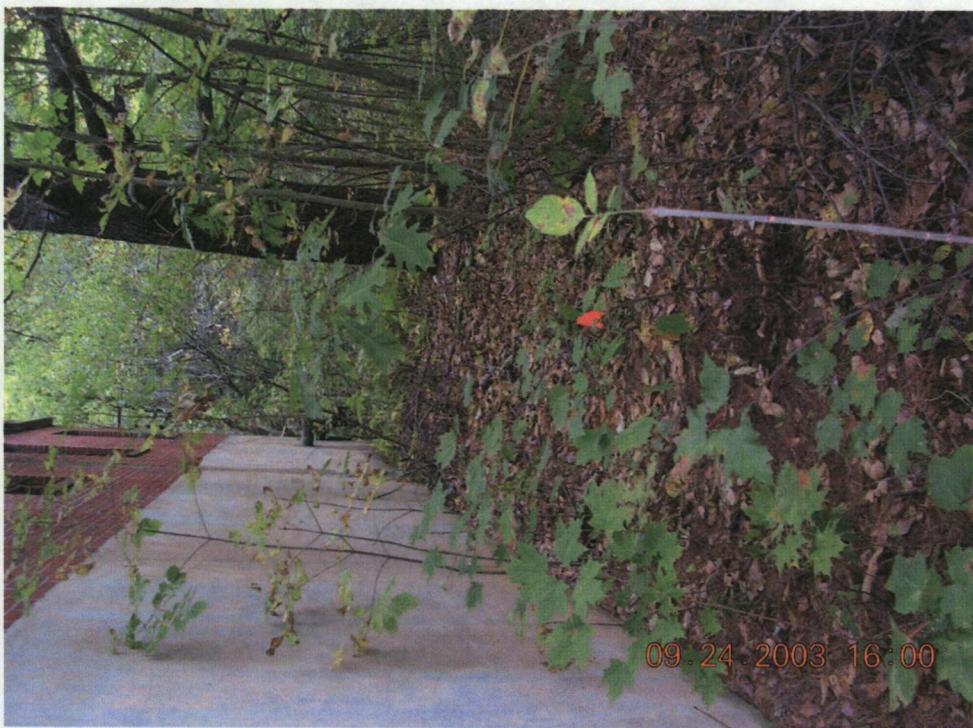
**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 15:58 hours

**CAMERA:** Nikon CoolPix 3100

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**

TOP



**SCENE:** View of sample location SS-02, located adjacent to the eastern side of the building on Lot 34. Photograph taken facing north.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 16:00 hours

**CAMERA:** Nikon CoolPix 3100

TOP



**SCENE:** View of sample location SS-01, located adjacent to the northeastern corner of the building on Lot 34. Photograph taken facing north.

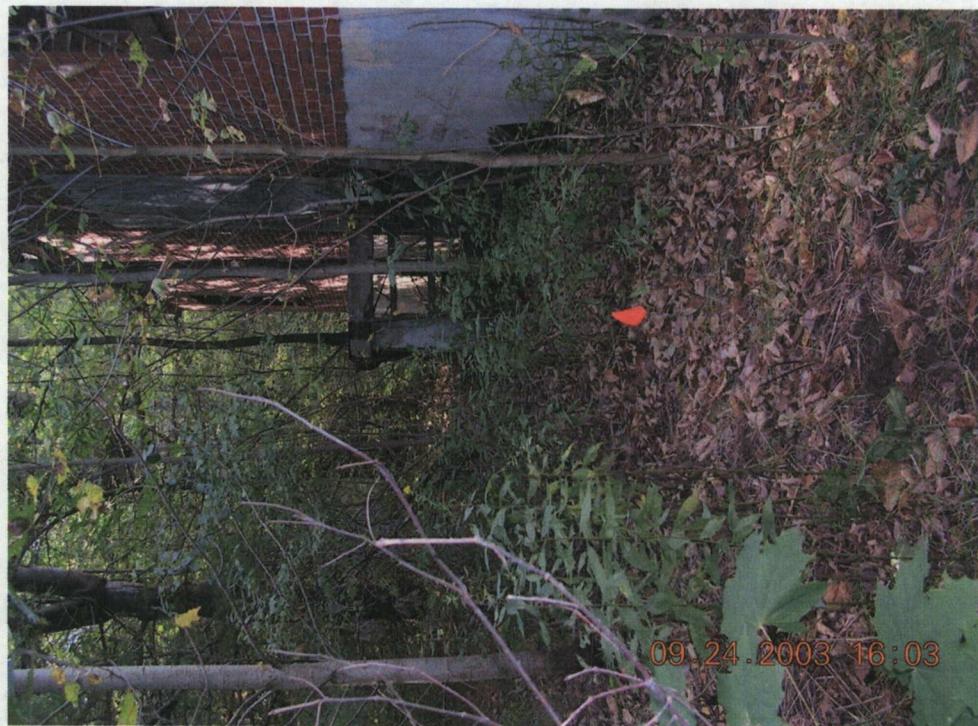
**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 16:01 hours

**CAMERA:** Nikon CoolPix 3100

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**



**SCENE:** View of sample location SS-08, located adjacent to the western side of the building on Lot 34. Photograph taken facing north.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 16:03 hours

**CAMERA:** Nikon CoolPix 3100



**SCENE:** View of sample location SS-05, located adjacent to the western side of the building on Lot 34. Photograph taken facing south.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 16:05 hours

**CAMERA:** Nikon CoolPix 3100

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**



**SCENE:** View of sample location SS-06, located west of the building on lot 34. Photograph taken facing east.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 16:06 hours

**CAMERA:** Nikon CoolPix 3100



**SCENE:** View of sample location SS-07, located western of the building on Lot 34. Photograph taken facing east.

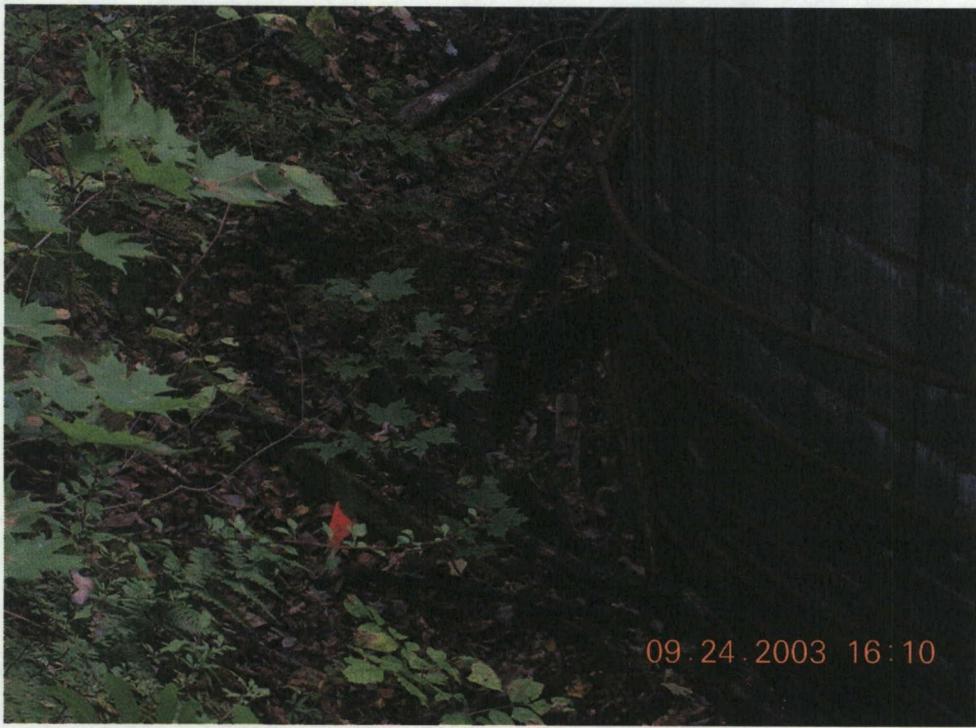
**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 16:08 hours

**CAMERA:** Nikon CoolPix 3100

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**



09.24.2003 16:10

**SCENE:** View of sample location SS-04, located adjacent to the clarifier tank on Lot 34. Photograph taken facing northwest.

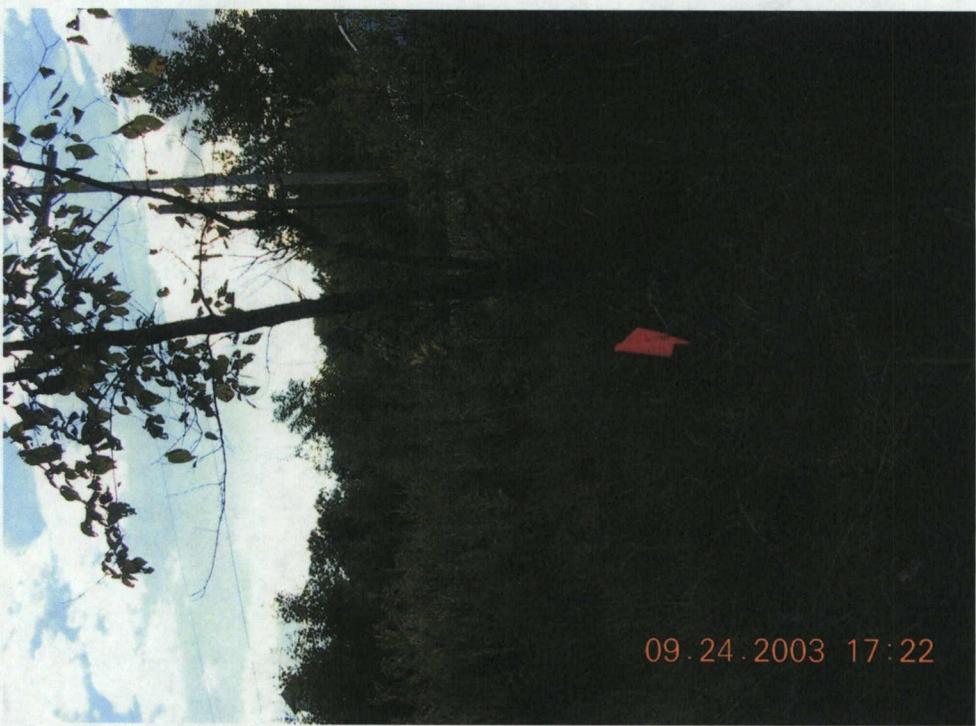
**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 16:10 hours

**CAMERA:** Nikon CoolPix 3100

TOP



09.24.2003 17:22

**SCENE:** View of sample location SS-20, located on the southern portion of lot 37. Photograph taken facing south.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 17:22 hours

**CAMERA:** Nikon CoolPix 3100

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**



**SCENE:** View of sample location SS-16, located in an area of stressed vegetation on Lot 37. Photograph taken facing east.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 17:24 hours

**CAMERA:** Nikon CoolPix 3100



**SCENE:** View of sample location SS-17, located in an area of stressed vegetation on Lot 37. Photograph taken facing north.

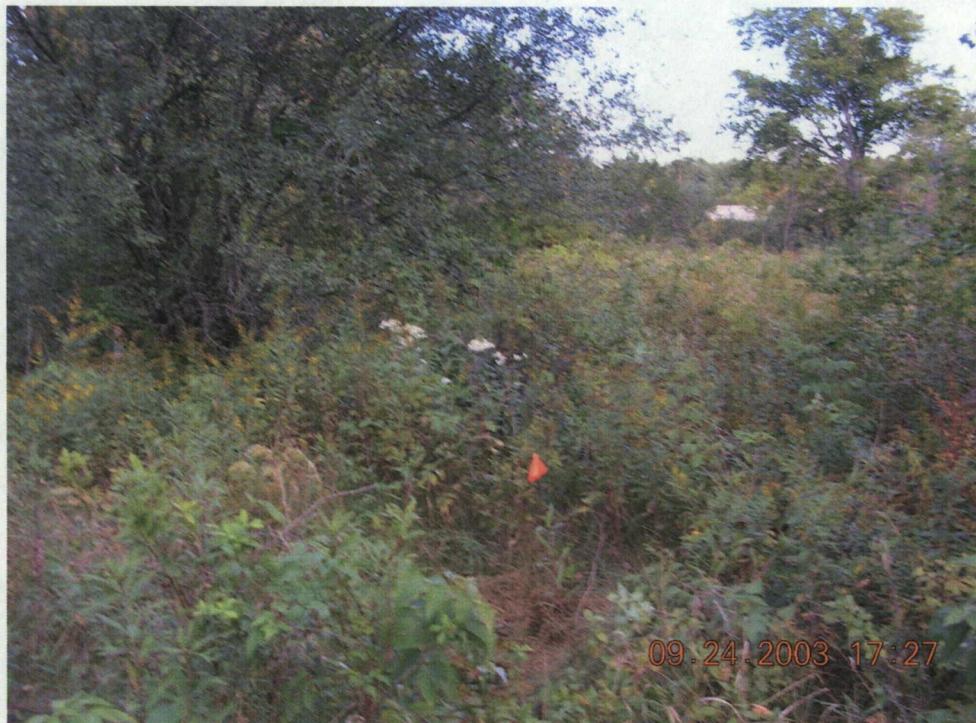
**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 17:25 hours

**CAMERA:** Nikon CoolPix 3100

**PHOTOGRAPHY LOG SHEET**  
**Lisbon Miller Lots 34, 35, and 37 • Lisbon, Maine**



**SCENE:** View of sample location SS-18, located in the eastern portion of Lot 37. Photograph taken facing north.

**DATE:** 24 September 2003

**PHOTOGRAPHY BY:** Jessica Burkhamer

**TIME:** 17:27 hours

**CAMERA:** Nikon CoolPix 3100

## **Appendix D**

### **Chain-of-Custody Record**



**USEPA Contract Laboratory Program**  
**Generic Chain of Custody**

Date Shipped:	9/25/2003	Chain of Custody Record		Sampler: <i>M. Butterworth</i> Signature:			Reference Case Client No: 0633F SDG No: L
Carrier Name:	FedEx	Relinquished By	(Date / Time)	Received By	(Date / Time)	For Lab Use Only	
Airbill:	838392259193	1 <i>M. Butterworth</i>	9/25/03 1400			Lab Contract No:	
Shipped to:	Southwest Labs of Oklahoma, Inc. 1700 West Albany Suite C Broken Arrow OK 74012 (918) 251-2858	2				Unit Price:	
		3				Transfer To:	
		4				Lab Contract No:	

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
D11826	Field QC/ Mandy Butterworth	M/G	VOC (14)	140 (CH3OH) (1)	MB-01	S: 9/24/2003	16:55	
D11829	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	446 (Ice Only), 447 (Ice Only), 449 (CH3OH) (3)	SS-01	S: 9/24/2003	15:05	
D11830	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	450 (Ice Only), 451 (Ice Only), 453 (CH3OH) (3)	SS-02	S: 9/24/2003	15:15	
D11831	Soil (0"-3")/ Burkhamer Jessica	M/G	pest/PCB (14), SVOCs (14) VOC (14)	454 (Ice Only), 455 (Ice Only), 457 (CH3OH) (3)	SS-03	S: 9/24/2003	15:27	
D11832	Soil (0"-3")/ Burkhamer Jessica	M/G	pest/PCB (14), SVOCs (14) VOC (14)	458 (Ice Only), 459 (Ice Only), 461 (CH3OH) (3)	SS-04	S: 9/24/2003	14:50	
D11833	Soil (0"-3")/ Burkhamer Jessica	M/G	pest/PCB (14), SVOCs (14), VOC (14)	134 (CH3OH), 135 (CH3OH), 136 (Ice Only), 137 (Ice Only), 138 (Ice Only), 139 (Ice Only) (6)	SS-05	S: 9/24/2003	15:04	
D11834	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	466 (Ice Only), 467 (Ice Only), 469 (CH3OH) (3)	SS-06	S: 9/24/2003	14:43	
D11835	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	470 (Ice Only), 471 (Ice Only), 473 (CH3OH) (3)	SS-07	S: 9/24/2003	14:47	
D11836	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	474 (Ice Only), 475 (Ice Only), 477 (CH3OH) (3)	SS-08	S: 9/24/2003	14:50	
D11837	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	478 (Ice Only), 479 (Ice Only), 481 (CH3OH) (3)	SS-09	S: 9/24/2003	15:20	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D11833	Additional Sampler Signature(s): <i>Jessie Burkhamer John Burton</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High pest/PCB = pest/PCB, SVOCs = SVOC, VOC = VOC	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? _____	Shipment Iced? _____

TR Number: **1-560206168-092503-0002**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

**LABORATORY COPY**



**USEPA Contract Laboratory Program**  
**Generic Chain of Custody**

**Reference Case**

Client No: 0633F  
SDG No:

L

Date Shipped:	9/25/2003	Chain of Custody Record		Sampler Signature: <i>M.Burkhamer</i>			For Lab Use Only
Carrier Name:	FedEx	Relinquished By	(Date / Time)	Received By	(Date / Time)		Lab Contract No:
Airbill:	838392259193	1 <i>M.Burkhamer</i> 9/25/03 1400					Unit Price:
Shipped to:	Southwest Labs of Oklahoma, Inc. 1700 West Albany Suite C Broken Arrow OK 74012 (918) 251-2858	2					Transfer To:
		3					Lab Contract No:
		4					Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
D11838	Soil (0"-3")/ Burkhamer Jessica	M/G	pest/PCB (14), SVOCs (14) VOC (14)	482 (Ice Only), 483 (Ice Only), 485 (CH3OH) (3)	SS-10	S: 9/24/2003	15:18	
D11839	Soil (0"-3")/ Burkhamer Jessica	M/G	pest/PCB (14), SVOCs (14) VOC (14)	486 (Ice Only), 487 (Ice Only), 489 (CH3OH) (3)	SS-11	S: 9/24/2003	15:38	
D11840	Soil (0"-3")/ Mandy Butterworth	M/G	pest/PCB (14), SVOCs (14) VOC (14)	490 (Ice Only), 491 (Ice Only), 493 (CH3OH) (3)	SS-12	S: 9/24/2003	15:27	
D11841	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	494 (Ice Only), 495 (Ice Only), 497 (CH3OH) (3)	SS-13	S: 9/24/2003	15:30	
D11842	Soil (0"-3")/ Mandy Butterworth	M/G	pest/PCB (14), SVOCs (14) VOC (14)	498 (Ice Only), 499 (Ice Only), 501 (CH3OH) (3)	SS-14	S: 9/24/2003	15:15	
D11843	Soil (0"-3")/ Mandy Butterworth	M/G	pest/PCB (14), SVOCs (14) VOC (14)	502 (Ice Only), 503 (Ice Only), 505 (CH3OH) (3)	SS-15	S: 9/24/2003	15:17	
D11844	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	506 (Ice Only), 507 (Ice Only), 509 (CH3OH) (3)	SS-16	S: 9/24/2003	16:50	
D11845	Soil (0"-3")/ Burkhamer Jessica	M/G	pest/PCB (14), SVOCs (14) VOC (14)	510 (Ice Only), 511 (Ice Only), 513 (CH3OH) (3)	SS-17	S: 9/24/2003	17:06	
D11846	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) VOC (14)	514 (Ice Only), 515 (Ice Only), 517 (CH3OH) (3)	SS-18	S: 9/24/2003	17:05	
D11847	Soil (0"-3")/ Burkhamer Jessica	M/G	pest/PCB (14), SVOCs (14) VOC (14)	518 (Ice Only), 519 (Ice Only), 521 (CH3OH) (3)	SS-19	S: 9/24/2003	17:20	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D11833	Additional Sampler Signature(s): <i>Jessica Burkhamer John Burton</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High pest/PCB = pest/PCB, SVOCs = SVOC, VOC = VOC	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? _____	Shipment Iced? _____

TR Number: 1-560206168-092503-0002

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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**LABORATORY COPY**

F2V5.1.046 Page 2 of 3



**USEPA Contract Laboratory Program**  
**Generic Chain of Custody**

**Reference Case**

Client No: 0633F  
SDG No:

L

<b>Date Shipped:</b> 9/25/2003 <b>Carrier Name:</b> FedEx <b>Airbill:</b> 838392259193 <b>Shipped to:</b> Southwest Labs of Oklahoma, Inc. 1700 West Albany Suite C Broken Arrow OK 74012 (918) 251-2858	<b>Chain of Custody Record</b>		Sampler Signature: <i>M. Buttent</i>		<b>For Lab Use Only</b>  <b>Lab Contract No:</b> _____  <b>Unit Price:</b> _____  <b>Transfer To:</b> _____  <b>Lab Contract No:</b> _____  <b>Unit Price:</b> _____
	<b>Relinquished By</b>	<b>(Date / Time)</b>	<b>Received By</b>	<b>(Date / Time)</b>	
	1 <i>M. Buttent</i>	9/25/03 1400			
	2				
	3				
	4				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
D11848	Soil (0"-3")/ Burton John	M/G	pest/PCB (14), SVOCs (14) <i>VOC (14)</i>	522 (Ice Only), 523 (Ice Only), 525 (CH3OH) (3)	SS-20	S: 9/24/2003 16:40		
D12762	PE Water	M/G	VOC (14)	1 (CH3OH) (1)	PE - 01 (0008071)	S: 9/24/2003 17:00		
D12763	PE Water	M/G	SVOCs (14)	1 (Ice Only) (1)	PE - 02 (S02775)	S: 9/24/2003 17:00		
D12764	PE Water	M/G	pest/PCB (14)	1 (Ice Only) (1)	PE - 03 (0016118)	S: 9/24/2003 17:00		
D12765	PE Soil	M/G	pest/PCB (14)	1 (Ice Only) (1)	PE - 04 (TT03014)	S: 9/24/2003 17:00		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D11833	Additional Sampler Signature(s): <i>Jessa Burkhardt Jol Bentz</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High pest/PCB = pest/PCB, SVOCs = SVOC, VOC = VOC	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

TR Number: **1-560206168-092503-0002**

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**LABORATORY COPY**



**USEPA Contract Laboratory Program**  
**Generic Chain of Custody**

**Reference Case**

Client No: 0621F  
SDG No: L

Date Shipped: 9/25/2003 Carrier Name: FedEx Airbill: 837122718214 Shipped to: Sentinel Inc. 116 Washington Street, NE Huntsville AL 35801 (256) 534-9800	<b>Chain of Custody Record</b>		Sampler Signature: <i>M. Butterfield</i>	
	Relinquished By	(Date / Time)	Received By	(Date / Time)
	1 <i>M. Butterfield</i>	9/25/03 1400		
	2			
	3			
	4			

**For Lab Use Only**

Lab Contract No: \_\_\_\_\_  
Unit Price: \_\_\_\_\_  
Transfer To: \_\_\_\_\_  
Lab Contract No: \_\_\_\_\_  
Unit Price: \_\_\_\_\_

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
D11829	Soil (0"-3")/ Burton John	M/G	TALMet (14)	4 (Ice Only) (1)	SS-01	S: 9/24/2003	15:05	
D11830	Soil (0"-3")/ Burton John	M/G	TALMet (14)	452 (Ice Only) (1)	SS-02	S: 9/24/2003	15:15	
D11831	Soil (0"-3")/ Burkhamer Jessica	M/G	TALMet (14)	456 (Ice Only) (1)	SS-03	S: 9/24/2003	15:27	
D11832	Soil (0"-3")/ Burkhamer Jessica	M/G	TALMet (14)	460 (Ice Only) (1)	SS-04	S: 9/24/2003	14:50	
D11833	Soil (0"-3")/ Burkhamer Jessica	M/G	TALMet (14)	132 (Ice Only), 133 (Ice Only) (2)	SS-05	S: 9/24/2003	15:04	
D11834	Soil (0"-3")/ Burton John	M/G	TALMet (14)	468 (Ice Only) (1)	SS-06	S: 9/24/2003	14:43	
D11835	Soil (0"-3")/ Burton John	M/G	TALMet (14)	472 (Ice Only) (1)	SS-07	S: 9/24/2003	14:47	
D11836	Soil (0"-3")/ Burton John	M/G	TALMet (14)	476 (Ice Only) (1)	SS-08	S: 9/24/2003	14:50	
D11837	Soil (0"-3")/ Burton John	M/G	TALMet (14)	480 (Ice Only) (1)	SS-09	S: 9/24/2003	15:20	
D11838	Soil (0"-3")/ Burkhamer Jessica	M/G	TALMet (14)	484 (Ice Only) (1)	SS-10	S: 9/24/2003	15:18	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D11833	Additional Sampler Signature(s): <i>Jessie Burkhamer, John Burton</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: TALMet = TAL Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? _____	Shipment Iced? _____

TR Number: **1-560206168-092503-0001**

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

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**USEPA Contract Laboratory Program**  
**Generic Chain of Custody**

**Reference Case**

Client No: 0621F  
SDG No:

L

Date Shipped: 9/25/2003 Carrier Name: FedEx Airbill: 837122718214 Shipped to: Sentinel Inc. 116 Washington Street, NE Huntsville AL 35801 (256) 534-9800	Chain of Custody Record		Sampler Signature: <i>MButterworth</i>		<b>For Lab Use Only</b>  Lab Contract No: _____ Unit Price: _____ Transfer To: _____ Lab Contract No: _____ Unit Price: _____
	Relinquished By	(Date / Time)	Received By	(Date / Time)	
	1 <i>MButterworth</i>	9/25/03 1400			
	2				
	3				
	4				

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		FOR LAB USE ONLY Sample Condition On Receipt
D11839	Soil (0"-3")/ Burkhamer Jessica	M/G	TALMet (14)	488 (Ice Only) (1)	SS-11	S: 9/24/2003	15:38	
D11840	Soil (0"-3")/ Mandy Butterworth	M/G	TALMet (14)	492 (Ice Only) (1)	SS-12	S: 9/24/2003	15:27	
D11841	Soil (0"-3")/ Burton John	M/G	TALMet (14)	496 (Ice Only) (1)	SS-13	S: 9/24/2003	15:30	
D11842	Soil (0"-3")/ Mandy Butterworth	M/G	TALMet (14)	500 (Ice Only) (1)	SS-14	S: 9/24/2003	15:15	
D11843	Soil (0"-3")/ Mandy Butterworth	M/G	TALMet (14)	504 (Ice Only) (1)	SS-15	S: 9/24/2003	15:17	
D11844	Soil (0"-3")/ Burton John	M/G	TALMet (14)	508 (Ice Only) (1)	SS-16	S: 9/24/2003	16:50	
D11845	Soil (0"-3")/ Burkhamer Jessica	M/G	TALMet (14)	512 (Ice Only) (1)	SS-17	S: 9/24/2003	17:06	
D11846	Soil (0"-3")/ Burton John	M/G	TALMet (14)	516 (Ice Only) (1)	SS-18	S: 9/24/2003	17:05	
D11847	Soil (0"-3")/ Burkhamer Jessica	M/G	TALMet (14)	520 (Ice Only) (1)	SS-19	S: 9/24/2003	17:20	
D11848	Soil (0"-3")/ Burton John	M/G	TALMet (14)	524 (Ice Only) (1)	SS-20	S: 9/24/2003	16:40	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D11833	Additional Sampler Signature(s): <i>Jessica Burkhamer-John Burton</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: TALMet = TAL Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

TR Number: 1-560206168-092503-0001

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**LABORATORY COPY**



**USEPA Contract Laboratory Program**  
**Generic Chain of Custody**

Date Shipped:	9/25/2003	Chain of Custody Record		Sampler Signature: <i>M. Butterworth</i>		
Carrier Name:	FedEx	Relinquished By	(Date / Time)	Received By	(Date / Time)	
Airbill:	837122718214	1	<i>M. Butterworth 9/25/03 1400</i>			
Shipped to:	Sentinel Inc. 116 Washington Street, NE Huntsville AL 35801 (256) 534-9800	2				
		3				
		4				

**Reference Case**

Client No: 0621F  
SDG No:

**For Lab Use Only**

Lab Contract No:

Unit Price:

Transfer To:

Lab Contract No:

Unit Price:

SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	FOR LAB USE ONLY Sample Condition On Receipt
D12766	Soil (0"-12")	M/G	TALMet (14)	4 (Ice Only) (1)	PE - 05 (MS00868)	S: 9/24/2003 17:00	

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: D11833	Additional Sampler Signature(s): <i>Jessie Burkhardt John Benton</i>	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
Analysis Key: TALMet = TAL Metals	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input type="checkbox"/>	Shipment Iced? <input type="checkbox"/>

TR Number: **1-560206168-092503-0001**

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**LABORATORY COPY**

**Appendix E**

**Analytical Data**

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 1  
VOLATILE SOIL ANALYSES - MEDIUM LEVEL  
NON-VALIDATED DATA  
μg/kg

SAMPLE NUMBER:	D11826	D11829	D11830	D11831	D11832
SAMPLE LOCATION:	MB-01	SS-01	SS-02	SS-03	SS-04
LABORATORY NUMBER:	53289.01	53289.02	53289.03	53289.04	53289.05
COMPOUND	CRQL				
Dichlorodifluoromethane	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Chloromethane	1300	1300 U	1300 U	1300 U	1300 U
Vinyl Chloride	1300	1300 U	1300 U	1300 U	1300 U
Bromomethane	1300	1300 U	1300 U	1300 U	1300 U
Chloroethane	1300	1300 U	1300 U	1300 U	1300 U
Trichlorofluoromethane	1300	1300 U	1300 U	1300 U	1300 U
1,1-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2-Trichloro-1,2,2-trifluoroethane	1300	1300 U	1300 U	1300 U	1300 U
Acetone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Carbon Disulfide	1300	1300 U	1300 U	1300 U	1300 U
Methyl Acetate	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Methylene Chloride	1300	1300 U	1300 U	1300 U	1300 U
trans-1,2-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
Methyl tert-Butyl Ether	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
1,1-Dichloroethane	1300	1300 U	1300 U	1300 U	1300 U
cis-1,2-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
2-Butanone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Chloroform	1300	1300 U	1300 U	1300 U	1300 U
1,1,1-Trichloroethane	1300	1300 U	1300 U	1300 U	1300 U
Cyclohexane	1300	1300 U	1300 U	1300 U	1300 U
Carbon Tetrachloride	1300	1300 U	1300 U	1300 U	1300 U
Benzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichloroethane	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Trichloroethene	1300	1300 U	1300 U	1300 U	1300 U
Methylcyclohexane	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichloropropane	1300	1300 U	1300 U	1300 U	1300 U
Bromodichloromethane	1300	1300 U	1300 U	1300 U	1300 U
cis-1,3-Dichloropropene	1300	1300 U	1300 U	1300 U	1300 U
4-Methyl-2-Pentanone	1300	1300 U	1300 U	1300 U	1300 U
Toluene	1300	1300 U	1300 U	1300 U	1300 U
trans-1,3-Dichloropropene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2-Trichloroethane	1300	1300 U	1300 U	1300 U	1300 U
Tetrachloroethene	1300	1300 U	1300 U	1300 U	1300 U
2-Hexanone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Dibromochloromethane	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dibromoethane	1300	1300 U	1300 U	1300 U	1300 U
Chlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
Ethylbenzene	1300	1300 U	1300 U	1300 U	1300 U
Xylene (Total)	1300	1300 U	1300 U	1300 U	1300 U
Styrene	1300	1300 U	1300 U	1300 U	1300 U
Bromoform	1300	1300 U	1300 U	1300 U	1300 U
Isopropylbenzene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2,2-Tetrachloroethane	1300	1300 U	1300 U	1300 U	1300 U
1,3-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,4-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dibromo-3-chloropropane	1300	1300 U	1300 U	1300 U	1300 U
1,2,4-Trichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE ANALYZED:	09/27/03	09/27/03	09/27/03	09/27/03	09/27/03
% MOISTURE:	NA	21	12	26	20

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 1  
VOLATILE SOIL ANALYSES - MEDIUM LEVEL  
NON-VALIDATED DATA  
µg/L

SAMPLE NUMBER:	D11833	D11834	D11835	D11836	D11837
SAMPLE LOCATION:	SS-05	SS-06	SS-07	SS-08	SS-09
LABORATORY NUMBER:	53289.06	53289.09	53289.10	53289.11	53289.12
COMPOUND	CRQL				
Dichlorodifluoromethane	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Chloromethane	1300	1300 U	1300 U	1300 U	1300 UJ
Vinyl Chloride	1300	1300 U	1300 U	1300 U	1300 UJ
Bromomethane	1300	1300 U	1300 U	1300 U	1300 UJ
Chloroethane	1300	1300 U	1300 U	1300 U	1300 UJ
Trichlorofluoromethane	1300	1300 U	1300 U	1300 U	1300 UJ
1,1-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	1300	1300 U	1300 U	1300 U	1300 U
Acetone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Carbon Disulfide	1300	1300 U	1300 U	1300 U	1300 UJ
Methyl Acetate	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Methylene Chloride	1300	1300 U	1300 U	1300 U	1300 UJ
trans-1,2-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 UJ
Methyl tert-Butyl Ether	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
1,1-Dichloroethane	1300	1300 U	1300 U	1300 U	1300 UJ
cis-1,2-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 UJ
2-Butanone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Chloroform	1300	1300 U	1300 U	1300 U	1300 UJ
1,1,1-Trichloroethane	1300	1300 U	1300 U	1300 U	1300 UJ
Cyclohexane	1300	1300 U	1300 U	1300 U	1300 UJ
Carbon Tetrachloride	1300	1300 U	1300 U	1300 U	1300 U
Benzene	1300	1300 U	1300 U	1300 U	1300 UJ
1,2-Dichloroethane	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Trichloroethene	1300	1300 U	1300 U	1300 U	1300 U
Methylcyclohexane	1300	1300 U	1300 U	1300 U	1300 UJ
1,2-Dichloropropane	1300	1300 U	1300 U	1300 U	1300 UJ
Bromodichloromethane	1300	1300 U	1300 U	1300 U	1300 UJ
cis-1,3-Dichloropropene	1300	1300 U	1300 U	1300 U	1300 UJ
4-Methyl-2-Pentanone	1300	1300 U	1300 U	1300 U	1300 UJ
Toluene	1300	1300 U	1300 U	1300 U	1300 U
trans-1,3-Dichloropropene	1300	1300 U	1300 U	1300 U	1300 UJ
1,1,2-Trichloroethane	1300	1300 U	1300 U	1300 U	1300 UJ
Tetrachloroethene	1300	1300 U	1300 U	1300 U	1300 U
2-Hexanone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Dibromochloromethane	1300	1300 U	1300 U	1300 U	1300 UJ
1,2-Dibromoethane	1300	1300 U	1300 U	1300 U	1300 UJ
Chlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
Ethylbenzene	1300	1300 U	1300 U	1300 U	1300 U
Xylene (Total)	1300	1300 U	1300 U	1300 U	1300 U
Styrene	1300	1300 U	1300 U	1300 U	1300 UJ
Bromoform	1300	1300 U	1300 U	1300 U	1300 UJ
Isopropylbenzene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2,2-Tetrachloroethane	1300	1300 U	1300 U	1300 U	1300 UJ
1,3-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,4-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 UJ
1,2-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 UJ
1,2-Dibromo-3-chloropropane	1300	1300 U	1300 U	1300 U	R
1,2,4-Trichlorobenzene	1300	1300 U	1300 U	1300 U	1300 UJ
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE ANALYZED:	09/27/03	09/27/03	09/27/03	09/27/03	10/02/03
% MOISTURE:	25	13	18	24	15

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 1  
VOLATILE SOIL ANALYSES - MEDIUM LEVEL  
NON-VALIDATED DATA  
 $\mu\text{g/L}$

SAMPLE NUMBER:	D11838	D11839	D11840	D11841	D11842
SAMPLE LOCATION:	SS-10	SS-11	SS-12	SS-13	SS-14
LABORATORY NUMBER:	53289.13	53289.14	53289.15	53289.16	53289.17
COMPOUND					
CRQL					
Dichlorodifluoromethane	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Chloromethane	1300	1300 U	1300 U	1300 U	1300 U
Vinyl Chloride	1300	1300 U	1300 U	1300 U	1300 U
Bromomethane	1300	1300 U	1300 U	1300 U	1300 U
Chloroethane	1300	1300 U	1300 U	1300 U	1300 U
Trichlorofluoromethane	1300	1300 U	1300 U	1300 U	1300 U
1,1-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2-Trichloro-1,2,2-trifluoroethane	1300	1300 U	1300 U	1300 U	1300 U
Acetone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Carbon Disulfide	1300	1300 U	1300 U	1300 U	1300 U
Methyl Acetate	1300	1300 U	1300 U	1300 U	1300 U
Methylene Chloride	1300	1300 U	1300 U	1300 U	1300 U
trans-1,2-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
Methyl tert-Butyl Ether	1300	1300 U	1300 U	1300 U	1300 U
1,1-Dichloroethane	1300	1300 U	1300 U	1300 U	1300 U
cis-1,2-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
2-Butanone	1300	1300 UJ	280 J	1300 UJ	1300 UJ
Chloroform	1300	1300 U	1300 U	1300 U	1300 U
1,1,1-Trichloroethane	1300	1300 U	1300 U	1300 U	1300 U
Cyclohexane	1300	1300 U	1300 U	1300 U	1300 U
Carbon Tetrachloride	1300	1300 U	1300 U	1300 U	1300 U
Benzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichloroethane	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Trichloroethene	1300	1300 U	1300 U	1300 U	1300 U
Methylcyclohexane	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichloropropane	1300	1300 U	1300 U	1300 U	1300 U
Bromodichloromethane	1300	1300 U	1300 U	1300 U	1300 U
cis-1,3-Dichloropropene	1300	1300 U	1300 U	1300 U	1300 U
4-Methyl-2-Pentanone	1300	1300 U	1300 U	1300 U	1300 U
Toluene	1300	1300 U	1300 U	1300 U	1300 U
trans-1,3-Dichloropropene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2-Trichloroethane	1300	1300 U	1300 U	1300 U	1300 U
Tetrachloroethene	1300	1300 U	1300 U	1300 U	1300 U
2-Hexanone	1300	1300 U	1300 U	1300 U	1300 U
Dibromochloromethane	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dibromoethane	1300	1300 U	1300 U	1300 U	1300 U
Chlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
Ethylbenzene	1300	1300 U	1300 U	1300 U	1300 U
Xylene (Total)	1300	1300 U	1300 U	1300 U	1300 U
Styrene	1300	1300 U	1300 U	1300 U	1300 U
Bromoform	1300	1300 U	1300 U	1300 U	1300 U
Isopropylbenzene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2,2-Tetrachloroethane	1300	1300 U	1300 U	1300 U	1300 U
1,3-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,4-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dibromo-3-chloropropane	1300	1300 U	1300 U	1300 U	1300 U
1,2,4-Trichlorobenzene	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE ANALYZED:	09/28/03	09/28/03	09/29/03	09/29/03	09/29/03
% MOISTURE:	13	4	7	6	11

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 1  
VOLATILE SOIL ANALYSES - MEDIUM LEVEL  
NON-VALIDATED DATA  
 $\mu\text{g/L}$

SAMPLE NUMBER:	D11843	D11844	D11845	D11846	D11847
SAMPLE LOCATION:	SS-15	SS-16	SS-17	SS-18	SS-19
LABORATORY NUMBER:	53289.18	53289.19	53289.20	53289.21	53289.22
COMPOUND	CRQL				
Dichlorodifluoromethane	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Chloromethane	1300	1300 U	1300 U	1300 U	1300 U
Vinyl Chloride	1300	1300 U	1300 U	1300 U	1300 U
Bromomethane	1300	1300 U	1300 U	1300 U	1300 U
Chloroethane	1300	1300 U	1300 U	1300 U	1300 U
Trichlorofluoromethane	1300	1300 U	1300 U	1300 U	1300 U
1,1-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2-Trichloro-1,2,2-trifluoroethane	1300	1300 U	1300 U	1300 U	1300 U
Acetone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Carbon Disulfide	1300	1300 U	1300 U	1300 U	1300 U
Methyl Acetate	1300	1300 U	1300 U	1300 U	1300 U
Methylene Chloride	1300	1300 U	1300 U	1300 U	1300 U
trans-1,2-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
Methyl tert-Butyl Ether	1300	1300 U	1300 U	1300 U	1300 U
1,1-Dichloroethane	1300	1300 U	1300 U	1300 U	1300 U
cis-1,2-Dichloroethene	1300	1300 U	1300 U	1300 U	1300 U
2-Butanone	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Chloroform	1300	1300 U	1300 U	1300 U	1300 U
1,1,1-Trichloroethane	1300	1300 U	1300 U	1300 U	1300 U
Cyclohexane	1300	1300 U	1300 U	1300 U	1300 U
Carbon Tetrachloride	1300	1300 U	1300 U	1300 U	1300 U
Benzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichloroethane	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
Trichloroethene	1300	1300 U	1300 U	1300 U	1300 U
Methylcyclohexane	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichloropropane	1300	1300 U	1300 U	1300 U	1300 U
Bromodichloromethane	1300	1300 U	1300 U	1300 U	1300 U
cis-1,3-Dichloropropene	1300	1300 U	1300 U	1300 U	1300 U
4-Methyl-2-Pentanone	1300	1300 U	1300 U	1300 U	1300 U
Toluene	1300	1300 U	1300 U	1300 U	1300 U
trans-1,3-Dichloropropene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2-Trichloroethane	1300	1300 U	1300 U	1300 U	1300 U
Tetrachloroethene	1300	1300 U	1300 U	1300 U	1300 U
2-Hexanone	1300	1300 U	1300 U	1300 U	1300 U
Dibromochloromethane	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dibromoethane	1300	1300 U	1300 U	1300 U	1300 U
Chlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
Ethylbenzene	1300	1300 U	1300 U	1300 U	1300 U
Xylene (Total)	1300	1300 U	1300 U	1300 U	1300 U
Styrene	1300	1300 U	1300 U	1300 U	1300 U
Bromoform	1300	1300 U	1300 U	1300 U	1300 U
Isopropylbenzene	1300	1300 U	1300 U	1300 U	1300 U
1,1,2,2-Tetrachloroethane	1300	1300 U	1300 U	1300 U	1300 U
1,3-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,4-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dichlorobenzene	1300	1300 U	1300 U	1300 U	1300 U
1,2-Dibromo-3-chloropropane	1300	1300 U	1300 U	1300 U	1300 U
1,2,4-Trichlorobenzene	1300	1300 UJ	1300 UJ	1300 UJ	1300 UJ
DILUTION FACTOR:	1.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE ANALYZED:	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03
% MOISTURE:	7	30	26	22	23

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 1  
VOLATILE SOIL ANALYSES - MEDIUM LEVEL  
NON-VALIDATED DATA  
 $\mu\text{g/L}$

SAMPLE NUMBER:	D11848	
SAMPLE LOCATION:	SS-20	
LABORATORY NUMBER:	53289.23	
<b>COMPOUND</b>		
CRQL		
Dichlorodifluoromethane	1300	1300 UJ
Chloromethane	1300	1300 UJ
Vinyl Chloride	1300	1300 UJ
Bromomethane	1300	1300 UJ
Chloroethane	1300	1300 UJ
Trichlorofluoromethane	1300	1300 UJ
1,1-Dichloroethene	1300	1300 UJ
1,1,2-Trichloro-1,2,2-trifluoroethane	1300	1300 U
Acetone	1300	1300 UJ
Carbon Disulfide	1300	1300 UJ
Methyl Acetate	1300	1300 UJ
Methylene Chloride	1300	1300 UJ
trans-1,2-Dichloroethene	1300	1300 UJ
Methyl tert-Butyl Ether	1300	1300 UJ
1,1-Dichloroethane	1300	1300 UJ
cis-1,2-Dichloroethene	1300	1300 UJ
2-Butanone	1300	1300 UJ
Chloroform	1300	1300 UJ
1,1,1-Trichloroethane	1300	1300 UJ
Cyclohexane	1300	1300 UJ
Carbon Tetrachloride	1300	1300 U
Benzene	1300	1300 UJ
1,2-Dichloroethane	1300	1300 UJ
Trichloroethene	1300	1300 UJ
Methylcyclohexane	1300	1300 UJ
1,2-Dichloropropane	1300	1300 UJ
Bromodichloromethane	1300	1300 UJ
cis-1,3-Dichloropropene	1300	1300 UJ
4-Methyl-2-Pentanone	1300	1300 UJ
Toluene	1300	1300 U
trans-1,3-Dichloropropene	1300	1300 UJ
1,1,2-Trichloroethane	1300	1300 UJ
Tetrachloroethene	1300	1300 U
2-Hexanone	1300	1300 UJ
Dibromochloromethane	1300	1300 UJ
1,2-Dibromoethane	1300	1300 UJ
Chlorobenzene	1300	1300 U
Ethylbenzene	1300	1300 U
Xylene (Total)	1300	1300 U
Styrene	1300	1300 UJ
Bromoform	1300	1300 UJ
Isopropylbenzene	1300	1300 U
1,1,2,2-Tetrachloroethane	1300	1300 UJ
1,3-Dichlorobenzene	1300	1300 U
1,4-Dichlorobenzene	1300	1300 UJ
1,2-Dichlorobenzene	1300	1300 UJ
1,2-Dibromo-3-chloropropane	1300	R
1,2,4-Trichlorobenzene	1300	1300 UJ
DILUTION FACTOR:	1.0	
DATE SAMPLED:	09/24/03	
DATE ANALYZED:	10/02/03	
% MOISTURE:	13	

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 2  
SEMOVOLATILE SOIL ANALYSES  
NON-VALIDATED DATA  
μg/kg

SAMPLE NUMBER:	D11829	D11830	D11831	D11832	D11833	D11834
SAMPLE LOCATION:	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
LABORATORY NUMBER:	53289.02	53289.03	53289.04	53289.05	53289.06	53289.09
COMPOUND	CRQL					
Benzaldehyde	330	120 J	370 UJ	84 J	36 J	4400 U
Phenol	330	410 U	59 J	440 U	410 U	4400 U
bis(2-Chloroethyl)Ether	330	410 U	370 U	440 U	410 U	4400 U
2-Chlorophenol	330	410 U	370 U	440 U	410 U	4400 U
2-Methylphenol	330	410 U	41 J	440 U	410 U	4400 U
2,2'-oxybis(1-Chloropropane)	330	410 U	370 U	440 U	410 U	4400 U
Acetophenone	330	410 U	370 U	440 U	410 U	4400 U
4-Methylphenol	330	410 U	120 J	440 U	410 U	4400 U
N-Nitroso-di-n-propylamine	330	410 U	370 U	440 U	410 U	4400 U
Hexachloroethane	330	410 U	370 U	440 U	410 U	4400 U
Nitrobenzene	330	410 U	370 U	440 U	410 U	4400 U
Isophorone	330	410 U	370 U	440 U	410 U	4400 U
2-Nitrophenol	330	410 U	370 U	440 U	410 U	4400 U
2,4-Dimethylphenol	330	410 U	76 J	440 U	410 U	4400 U
bis(2-Chloroethoxy)methane	330	410 U	370 U	440 U	410 U	4400 U
2,4-Dichlorophenol	330	410 U	370 U	440 U	410 U	4400 U
Naphthalene	330	30 J	*3300 J	220 J	240 J	4600
4-Chloroaniline	330	410 U	370 U	440 U	410 U	4400 U
Hexachlorobutadiene	330	410 U	370 U	440 U	410 U	4400 U
Caprolactam	330	23 J	370 U	23 J	410 U	4400 U
4-Chloro-3-methylphenol	330	410 U	370 U	440 U	410 U	4400 U
2-Methylnaphthalene	330	410 U	1600	110 J	110 J	1200 J
Hexachlorocyclopentadiene	330	410 U	370 U	440 U	410 U	4400 U
2,4,6-Trichlorophenol	330	410 U	370 U	440 U	410 U	4400 U
2,4,5-Trichlorophenol	830	1000 U	930 U	1100 U	1000 U	11000 U
1,1'-Biphenyl	330	410 U	490	30 J	38 J	420 J
2-Chloronaphthalene	330	410 U	370 U	440 U	410 U	4400 U
2-Nitroaniline	830	1000 U	930 U	1100 U	1000 U	11000 U
Dimethylphthalate	330	410 U	370 U	440 U	410 U	4400 U
2,6-Dinitrotoluene	330	410 U	370 U	440 U	410 U	4400 U
Acenaphthylene	330	37 J	180 J	130 J	530	900 J
3-Nitroaniline	830	1000 U	930 U	1100 U	1000 U	11000 U
Acenaphthene	330	59 J	*6500 J	500	480	5500 J
2,4-Dinitrophenol	830	1000 UJ	930 UJ	1100 UJ	1000 UJ	11000 UJ
4-Nitrophenol	830	1000 U	930 U	1100 U	1000 U	11000 U
Dibenzofuran	330	41 J	*4400 J	320 J	360 J	3800 J
2,4-Dinitrotoluene	330	410 U	370 U	440 U	410 U	4400 U
Diethylphthalate	330	410 U	370 U	440 U	26 J	4400 U
Fluorene	330	66 J	*6100 J	410 J	770	5300
4-Chlorophenyl-phenylether	330	410 U	370 U	440 U	410 U	4400 U
4-Nitroaniline	830	1000 U	930 U	1100 U	1000 U	11000 U
4,6-Dinitro-2-methylphenol	830	1000 UJ	930 UJ	1100 UJ	1000 UJ	11000 U
N-Nitrosodiphenylamine (1)	330	410 U	370 U	440 U	410 U	4400 U
4-Bromophenyl-phenylether	330	410 U	370 U	440 U	410 U	4400 U
Hexachlorobenzene	330	410 U	370 U	440 U	410 U	4400 U
Atrazine	330	410 UJ	370 UJ	440 UJ	410 UJ	4400 U
Pentachlorophenol	830	1000 U	930 U	1100 U	1000 U	R
Phenanthrene	330	710	*51000	*4800	*9400	35000 J
Anthracene	330	150 J	*13000	970	1600	7500 J
Carbazole	330	77 J	*7800 J	660	750	4900
Di-n-butylphthalate	330	23 J	74 J	36 J	47 J	4400 U
Fluoranthene	330	860	*58000	*6000	*7300	29000 J
Pyrene	330	1100	*61000	*6300	*8800	*39000 J
Butylbenzylphthalate	330	410 UJ	370 UJ	440 UJ	410 UJ	4400 U
3,3'-Dichlorobenzidine	330	410 U	370 U	440 U	410 U	4400 U
Benzo(a)anthracene	330	470	*29000	*2800	*3300	17000 J
Chrysene	330	500	*27000	*3300	*3300	18000
bis(2-Ethylhexyl)phthalate	330	350 J	510 J	300 J	400 J	4400 U
Di-n-octylphthalate	330	410 UJ	370 UJ	440 UJ	410 UJ	4400 U
Benzo(b)fluoranthene	330	520	*25000	3100	*3400	16000
Benzo(k)fluoranthene	330	290 J	*21000	3000	1700	13000 J
Benzo(a)pyrene	330	460	*25000	*2800	*3000	16000 J
Indeno(1,2,3-cd)pyrene	330	230 J	*13000	2200	2100	10000 J
Dibenzo(a,h)anthracene	330	92 J	*6600	1100	920	4600 J
Benzo(g,h,i)perylene	330	210 J	*12000	2000	2100	10000 J
DILUTION FACTOR:	1.0	1.0/30.0*	1.0/5.0*	1.0/5.0*	10.0/20.0*	1.0/4.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE EXTRACTED:	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03
DATE ANALYZED:	10/02/03	10/03/03	10/02/03	10/03/03	10/13/03	10/14/03
% MOISTURE:	21	12	26	20	25	13

\* - Result reported from diluted analysis.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 2  
SEMOVOLATILE SOIL ANALYSES  
NON-VALIDATED DATA  
 $\mu\text{g}/\text{kg}$

SAMPLE NUMBER:	D11835	D11836	D11837	D11838	D11839	D11840
SAMPLE LOCATION:	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12
LABORATORY NUMBER:	53289.10	53289.11	53289.12	53289.13	53289.14	53289.15
COMPOUND	CRQL					
Benzaldehyde	330	69 J	76 J	380 UJ	39 J	21 J
Phenol	330	400 U	420 U	380 U	370 U	340 U
bis(2-Chloroethyl)Ether	330	400 U	420 U	380 U	370 U	340 U
2-Chlorophenol	330	400 U	420 U	380 U	370 U	340 U
2-Methylphenol	330	400 U	420 U	22 J	370 U	340 U
2,2'-oxybis(1-Chloropropane)	330	400 U	420 U	380 U	370 U	340 U
Acetophenone	330	26 J	420 U	41 J	23 J	340 U
4-Methylphenol	330	43 J	64 J	93 J	45 J	340 U
N-Nitroso-di-n-propylamine	330	400 U	420 U	380 U	370 U	340 U
Hexachloroethane	330	400 U	420 U	380 U	370 U	340 U
Nitrobenzene	330	400 U	420 U	380 U	370 U	340 U
Isophorone	330	400 U	420 U	380 U	370 U	340 U
2-Nitrophenol	330	400 U	420 U	380 U	370 U	340 U
2,4-Dimethylphenol	330	41 J	420 U	74 J	27 J	340 U
bis(2-Chloroethoxy)methane	330	400 U	420 U	380 U	370 U	340 U
2,4-Dichlorophenol	330	400 U	420 U	380 U	370 U	340 U
Naphthalene	330	57 J	1400	250 J	280 J	340 U
4-Chloroaniline	330	400 U	420 U	380 U	370 U	340 U
Hexachlorobutadiene	330	400 U	420 U	380 U	370 U	340 U
Caprolactam	330	400 U	420 U	380 U	370 U	340 U
4-Chloro-3-methylphenol	330	400 U	420 U	380 U	370 U	340 U
2-Methylnaphthalene	330	85 J	590	280 J	180 J	340 U
Hexachlorocyclopentadiene	330	400 U	420 U	380 U	370 U	340 U
2,4,6-Trichlorophenol	330	400 U	420 U	380 U	370 U	340 U
2,4,5-Trichlorophenol	830	1000 U	1100 U	970 U	940 U	850 U
1,1'-Biphenyl	330	21 J	160 J	61 J	44 J	340 U
2-Chloronaphthalene	330	400 U	420 U	380 U	370 U	340 U
2-Nitroaniline	830	1000 U	1100 U	970 U	940 U	850 U
Dimethylphthalate	330	400 U	420 U	380 U	370 U	340 U
2,6-Dinitrotoluene	330	400 U	420 U	380 U	370 U	340 U
Acenaphthylene	330	*2400 J	1800	*3300 J	2000	31 J
3-Nitroaniline	830	1000 U	1100 U	970 U	940 U	850 U
Acenaphthene	330	150 J	1700	440	520	340 U
2,4-Dinitrophenol	830	1000 UJ	1100 UJ	970 UJ	940 UJ	850 UJ
4-Nitrophenol	830	1000 U	1100 U	970 U	940 U	850 U
Dibenzofuran	330	130 J	1300	360 J	350 J	340 U
2,4-Dinitrotoluene	330	400 U	420 U	380 U	370 U	340 U
Diethylphthalate	330	400 U	420 U	380 U	370 U	340 U
Fluorene	330	360 J	1800	950	720	340 U
4-Chlorophenyl-phenylether	330	400 U	420 U	380 U	370 U	340 U
4-Nitroaniline	830	1000 U	1100 U	970 U	940 U	850 U
4,6-Dinitro-2-methylphenol	830	1000 UJ	1100 UJ	380 U	940 UJ	850 UJ
N-Nitrosodiphenylamine (1)	330	400 U	420 U	360 J	370 U	340 U
4-Bromophenyl-phenylether	330	400 U	420 U	380 U	370 U	340 U
Hexachlorobenzene	330	400 U	420 U	380 U	370 U	340 U
Atrazine	330	400 UJ	420 UJ	380 UJ	370 UJ	340 UJ
Pentachlorophenol	830	1000 U	1100 U	970 U	940 U	850 U
Phenanthrene	330	*5000	*15000	*10000	*9000	180 J
Anthracene	330	2500	*2600	*2000 J	2500	40 J
Carbazole	330	420	2100	970	980	19 J
Di-n-butylphthalate	330	45 J	51 J	59 J	300 J	34 J
Fluoranthene	330	*12000	*14000	*21000	*15000	320 J
Pyrene	330	*23000	*22000	*33000	*22000	420
Butylbenzylphthalate	330	400 UJ	420 UJ	380 UJ	370 UJ	190 J
3,3'-Dichlorobenzidine	330	400 U	420 U	380 U	370 U	340 U
Benzo(a)anthracene	330	*9300	*8500	*11000	*8500	170 J
Chrysene	330	*10000	*10000	*14000	*10000	220 J
bis(2-Ethylhexyl)phthalate	330	240 J	250 J	380 U	370 UJ	360 J
Di-n-octylphthalate	330	400 UJ	420 UJ	380 UJ	370 UJ	340 UJ
Benzo(b)fluoranthene	330	*12000	*9800	*12000	*13000	210 J
Benzo(k)fluoranthene	330	2900	*9300	*10000	*7300	140 J
Benzo(a)pyrene	330	*9800	*9100	*13000	*11000	190 J
Indeno(1,2,3-cd)pyrene	330	*7300	*6200	*8500	*8200	150 J
Dibenzo(a,h)anthracene	330	3000	*2700	*1600 J	*3800	64 J
Benzo(g,h,i)perylene	330	*8000	*6900	*10000	*8700	140 J
DILUTION FACTOR:	1.0/10.0*	1.0/10.0*	1.0/20.0*	1.0/10.0*	1.0	1.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE EXTRACTED:	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03
DATE ANALYZED:	10/03/03	10/03/03	10/03/03	10/03/03	10/02/03	10/02/03
% MOISTURE:	18	24	15	13	4	7

\* - Result reported from diluted analysis.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

**TABLE 2**  
**SEMIVOLATILE SOIL ANALYSES**  
**NON-VALIDATED DATA**

SAMPLE NUMBER:	D11841	D11842	D11843	D11844	D11845	D11846
SAMPLE LOCATION:	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18
LABORATORY NUMBER:	53289.16	53289.17	53289.18	53289.19	53289.20	53289.21
COMPOUND		CRQL				
Benzaldehyde	330	350 UJ	7300 U	21 J	36 J	32 J
Phenol	330	350 U	7300 U	350 U	470 U	440 U
bis(2-Chloroethyl)Ether	330	350 U	7300 U	350 U	470 U	440 U
2-Chlorophenol	330	350 U	7300 U	350 U	470 U	440 U
2-Methylphenol	330	350 U	7300 U	350 U	470 U	75 J
2,2'-oxybis(1-Chloropropane)	330	350 U	7300 U	350 U	470 U	440 U
Acetophenone	330	350 U	7300 U	350 U	470 U	440 U
4-Methylphenol	330	350 U	7300 U	350 U	470 U	440 U
N-Nitroso-di-n-propylamine	330	350 U	7300 U	350 U	470 U	440 U
Hexachloroethane	330	350 U	7300 U	350 U	470 U	440 U
Nitrobenzene	330	350 U	7300 U	350 U	470 U	440 U
Isophorone	330	350 U	7300 U	350 U	470 U	440 U
2-Nitrophenol	330	350 U	7300 U	350 U	470 U	440 U
2,4-Dimethylphenol	330	350 U	7300 U	350 U	470 U	440 U
bis(2-Chloroethoxy)methane	330	350 U	7300 U	350 U	470 U	440 U
2,4-Dichlorophenol	330	350 U	7300 U	350 U	470 U	440 U
Naphthalene	330	350 U	7300 U	350 U	470 U	440 U
4-Chloroaniline	330	350 U	7300 U	350 U	470 U	440 U
Hexachlorobutadiene	330	350 U	7300 U	350 U	470 U	440 U
Caprolactam	330	350 U	7300 U	350 U	24 J	440 U
4-Chloro-3-methylphenol	330	350 U	7300 U	350 U	470 U	440 U
2-Methylnaphthalene	330	350 U	7300 U	350 U	470 U	440 U
Hexachlorocyclopentadiene	330	350 U	7300 U	350 U	470 U	440 U
2,4,6-Trichlorophenol	330	350 U	7300 U	350 U	470 U	440 U
2,4,5-Trichlorophenol	830	880 U	18000 U	880 U	1200 U	1100 U
1,1'-Biphenyl	330	350 U	7300 U	350 U	470 U	440 U
2-Chloronaphthalene	330	350 U	7300 U	350 U	470 U	440 U
2-Nitroaniline	830	880 U	18000 U	880 U	1200 U	1100 U
Dimethylphthalate	330	350 U	7300 U	350 U	470 U	440 U
2,6-Dinitrotoluene	330	350 U	7300 U	350 U	470 U	440 U
Acenaphthylene	330	350 U	7300 U	43 J	470 U	440 U
3-Nitroaniline	830	880 U	18000 U	880 U	1200 U	1100 U
Acenaphthene	330	350 U	7300 U	350 U	470 U	440 U
2,4-Dinitrophenol	830	880 UJ	18000 UJ	880 UJ	1200 UJ	1100 UJ
4-Nitrophenol	830	880 U	18000 U	880 U	1200 U	1100 U
Dibenzofuran	330	350 U	7300 U	350 U	470 U	440 U
2,4-Dinitrotoluene	330	350 U	7300 U	350 U	470 U	440 U
Diethylphthalate	330	350 U	7300 U	18 J	470 U	440 U
Fluorene	330	350 U	7300 U	350 U	470 U	440 U
4-Chlorophenyl-phenylether	330	350 U	7300 U	350 U	470 U	440 U
4-Nitroaniline	830	880 U	18000 U	880 U	1200 U	1100 U
4,6-Dinitro-2-methylphenol	830	880 UJ	18000 UJ	880 UJ	1200 UJ	1100 UJ
N-Nitrosodiphenylamine (1)	330	350 U	7300 U	350 U	470 U	440 U
4-Bromophenyl-phenylether	330	350 U	7300 U	350 U	470 U	440 U
Hexachlorobenzene	330	350 U	7300 U	350 U	470 U	440 U
Atrazine	330	350 UJ	7300 U	350 UJ	470 UJ	440 UJ
Pentachlorophenol	830	880 U	18000 U	880 U	1200 U	1100 U
Phenanthrene	330	22 J	7300 U	71 J	160 J	100 J
Anthracene	330	350 U	7300 U	32 J	470 U	440 U
Carbazole	330	350 U	7300 U	350 U	470 U	440 U
Di-n-butylphthalate	330	32 J	7300 U	33 J	35 J	26 J
Fluoranthene	330	69 J	7300 U	130 J	210 J	160 J
Pyrene	330	84 J	560 J	170 J	310 J	250 J
Butylbenzylphthalate	330	350 UJ	7300 U	350 UJ	470 UJ	440 UJ
3,3'-Dichlorobenzidine	330	350 U	7300 U	350 U	470 U	440 U
Benzo(a)anthracene	330	32 J	7300 U	81 J	110 J	73 J
Chrysene	330	57 J	480 J	120 J	170 J	110 J
bis(2-Ethylhexyl)phthalate	330	350 UJ	7300 U	350 UJ	470 UJ	440 UJ
Di-n-octylphthalate	330	350 UJ	7300 U	350 UJ	470 UJ	440 UJ
Benzo(b)fluoranthene	330	350 U	1300 J	250 J	170 J	100 J
Benzo(k)fluoranthene	330	350 U	480 J	350 U	100 J	66 J
Benzo(a)pyrene	330	51 J	7300 U	90 J	120 J	89 J
Indeno(1,2,3-cd)pyrene	330	40 J	860 J	100 J	84 J	62 J
Dibenzo(a,h)anthracene	330	350 U	7300 U	38 J	32 J	440 U
Benzo(g,h,i)perylene	330	37 J	1100 J	110 J	87 J	55 J
DILUTION FACTOR:	1.0	10.0	1.0	1.0	1.0	1.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE EXTRACTED:	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03
DATE ANALYZED:	10/02/03	10/14/03	10/02/03	10/02/03	10/02/03	10/02/03
% MOISTURE:	6	11	7	30	26	22

\* - Result reported from diluted analysis.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 2  
SEMOVOLATILE SOIL ANALYSES  
NON-VALIDATED DATA  
μg/kg

SAMPLE NUMBER:	D11847	D11848
SAMPLE LOCATION:	SS-19	SS-20
LABORATORY NUMBER:	53289.22	53289.23

COMPOUND	CRQL		
Benzaldehyde	330	430 UJ	44 J
Phenol	330	430 U	380 U
bis(2-Chloroethyl)Ether	330	430 U	380 U
2-Chlorophenol	330	430 U	380 U
2-Methylphenol	330	430 U	380 U
2,2'-oxybis(1-Chloropropane)	330	430 U	380 U
Acetophenone	330	430 U	45 J
4-Methylphenol	330	430 U	380 U
N-Nitroso-di-n-propylamine	330	430 U	380 U
Hexachloroethane	330	430 U	380 U
Nitrobenzene	330	430 U	380 U
Isophorone	330	430 U	380 U
2-Nitrophenol	330	430 U	380 U
2,4-Dimethylphenol	330	430 U	380 U
bis(2-Chloroethoxy)methane	330	430 U	380 U
2,4-Dichlorophenol	330	430 U	380 U
Naphthalene	330	430 U	380 U
4-Chloroaniline	330	430 U	380 U
Hexachlorobutadiene	330	430 U	380 U
Caprolactam	330	430 U	33 J
4-Chloro-3-methylphenol	330	430 U	380 U
2-Methylnaphthalene	330	430 U	30 J
Hexachlorocyclopentadiene	330	430 U	380 U
2,4,6-Trichlorophenol	330	430 U	380 U
2,4,5-Trichlorophenol	830	1100 U	940 U
1,1'-Biphenyl	330	430 U	380 U
2-Chloronaphthalene	330	430 U	380 U
2-Nitroaniline	830	1100 U	940 U
Dimethylphthalate	330	430 U	380 U
2,6-Dinitrotoluene	330	430 U	380 U
Acenaphthylene	330	430 U	40 J
3-Nitroaniline	830	1100 U	940 U
Acenaphthene	330	430 U	380 U
2,4-Dinitrophenol	830	1100 UJ	940 UJ
4-Nitrophenol	830	1100 U	940 U
Dibenzofuran	330	430 U	380 U
2,4-Dinitrotoluene	330	430 U	380 U
Diethylphthalate	330	430 U	380 U
Fluorene	330	430 U	380 U
4-Chlorophenyl-phenylether	330	430 U	380 U
4-Nitroaniline	830	1100 U	940 U
4,6-Dinitro-2-methylphenol	830	1100 UJ	940 UJ
N-Nitrosodiphenylamine (1)	330	430 U	380 U
4-Bromophenyl-phenylether	330	430 U	380 U
Hexachlorobenzene	330	430 U	380 U
Atrazine	330	430 UJ	380 UJ
Pentachlorophenol	830	1100 U	940 U
Phenanthrene	330	54 J	290 J
Anthracene	330	430 U	37 J
Carbazole	330	430 U	20 J
Di-n-butylphthalate	330	29 J	30 J
Fluoranthene	330	75 J	390
Pyrene	330	90 J	620
Butylbenzylphthalate	330	430 UJ	71 J
3,3'-Dichlorobenzidine	330	430 U	380 U
Benzo(a)anthracene	330	30 J	230 J
Chrysene	330	45 J	360 J
bis(2-Ethylhexyl)phthalate	330	430 UJ	*6700 J
Di-n-octylphthalate	330	430 UJ	*1700 J
Benzo(b)fluoranthene	330	430 U	350 J
Benzo(k)fluoranthene	330	430 U	190 J
Benzo(a)pyrene	330	36 J	270 J
Indeno(1,2,3-cd)pyrene	330	22 J	160 J
Dibenzo(a,h)anthracene	330	430 U	56 J
Benzo(g,h,i)perylene	330	24 J	170 J

DILUTION FACTOR:	1.0	1.0/10.0*
DATE SAMPLED:	09/24/03	09/24/03
DATE EXTRACTED:	09/29/03	09/29/03
DATE ANALYZED:	10/02/03	10/02/03
% MOISTURE:	23	13

\* - Result reported from diluted analysis.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

**TABLE 3**  
**PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSES**  
**NON-VALIDATED DATA**  
**µg/kg**

SAMPLE NUMBER:	D11829	D11830	D11831	D11832	D11833	D11834
SAMPLE LOCATION:	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06
LABORATORY NUMBER:	53289.02	53289.03	53289.04	53289.05	53289.06	53289.09
COMPOUND	CRQL					
alpha-BHC	1.7	2.1 U	3.8 U	4.6 U	21 U	11 U
beta-BHC	1.7	2.1 U	3.8 U	4.6 U	21 U	11 U
delta-BHC	1.7	2.1 U	3.8 U	4.6 U	21 U	11 U
gamma-BHC (Lindane)	1.7	2.1 U	3.8 U	4.6 U	21 U	11 UJ
Heptachlor	1.7	2.3 U	3.8 U	4.6 U	21 U	11 UJ
Aldrin	1.7	2.1 U	3.8 U	4.6 U	21 U	R
Heptachlor Epoxide	1.7	2.1 U	3.8 U	4.6 U	21 U	11 U
Endosulfan I	1.7	2.1 U	3.8 U	4.6 U	21 U	11 U
Dieldrin	3.3	4.1 U	7.5 U	8.9 U	41 U	22 UJ
4,4'-DDE	3.3	20	7.6 J	10	35 J	20 J
Endrin	3.3	4.1 U	7.5 U	8.9 U	41 U	R
Endosulfan II	3.3	4.1 U	R	8.9 U	65	57 J
4,4'-DDD	3.3	4.1 U	7.5 U	8.9 U	41 U	22 U
Endosulfan Sulfate	3.3	4.1 U	7.5 U	8.9 U	41 U	22 U
4,4'-DDT	3.3	17 J	R	R	130	R
Methoxychlor	17	21 U	38 U	46 U	210 U	110 U
Endrin Ketone	3.3	4.1 U	7.5 U	8.9 U	41 U	22 U
Endrin Aldehyde	3.3	4.1 U	7.5 U	8.9 U	41 U	22 U
alpha-Chlordane	1.7	2.1 U	3.8 U	4.6 U	21 U	11 U
gamma-Chlordane	1.7	2.1 U	3.8 U	4.6 U	21 U	11 U
Toxaphene	170	210 U	380 U	460 U	2100 U	1100 U
Aroclor-1016	33	41 U	75 U	89 U	410 U	220 U
Aroclor-1221	67	84 U	150 U	180 U	830 U	440 U
Aroclor-1232	33	41 U	75 U	89 U	410 U	220 U
Aroclor-1242	33	41 U	75 U	89 U	410 U	220 U
Aroclor-1248	33	41 U	75 U	89 U	410 U	220 U
Aroclor-1254	33	41 U	75 U	89 U	410 U	220 U
Aroclor-1260	33	41 U	75 U	89 U	410 U	220 U
DILUTION FACTOR:	1.0	10.0	10.0	10.0	5.0	10.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE EXTRACTED:	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03
DATE ANALYZED:	10/03/03	10/03/03	10/03/03	10/03/03	10/03/03	10/04/03
% MOISTURE:	21	12	26	20	25	13

\* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

**TABLE 3**  
**PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSES**  
**NON-VALIDATED DATA**  
**µg/kg**

SAMPLE NUMBER:	D11835	D11836	D11837	D11838	D11839	D11840
SAMPLE LOCATION:	SS-07	SS-08	SS-09	SS-10	SS-11	SS-12
LABORATORY NUMBER:	53289.10	53289.11	53289.12	53289.13	53289.14	53289.15
COMPOUND	CRQL					
alpha-BHC	1.7	10 U	22 U	20 U	19 U	18 U
beta-BHC	1.7	10 U	22 U	20 U	19 U	18 U
delta-BHC	1.7	10 U	22 U	20 U	19 U	18 U
gamma-BHC (Lindane)	1.7	10 U	22 U	20 U	19 U	18 U
Heptachlor	1.7	10 U	22 U	20 U	19 U	18 U
Aldrin	1.7	10 U	22 U	20 U	19 U	18 U
Heptachlor Epoxide	1.7	10 U	22 U	20 U	19 U	18 U
Endosulfan I	1.7	10 U	22 U	20 U	19 U	18 U
Dieldrin	3.3	20 U	43 U	38 U	38 U	34 U
4,4'-DDE	3.3	57	43 U	33 J	63 J	34 U
Endrin	3.3	20 U	43 U	38 U	38 U	34 U
Endosulfan II	3.3	130	44 J	130	R	34 U
4,4'-DDD	3.3	20 U	43 U	38 U	38 U	34 U
Endosulfan Sulfate	3.3	20 U	43 U	38 U	38 U	34 U
4,4'-DDT	3.3	*500	R	240 J	360	34 U
Methoxychlor	17	100 U	220 U	200 U	190 U	180 U
Endrin Ketone	3.3	20 U	43 U	38 U	38 U	34 U
Endrin Aldehyde	3.3	*80 U	43 U	38 U	38 U	34 U
alpha-Chlordane	1.7	10 U	22 U	20 U	19 U	18 U
gamma-Chlordane	1.7	10 U	22 U	20 U	19 U	18 U
Toxaphene	170	1000 U	2200 U	2000 U	1900 U	1800 U
Aroclor-1016	33	200 U	430 U	380 U	380 U	340 U
Aroclor-1221	67	410 U	870 U	780 U	770 U	700 U
Aroclor-1232	33	200 U	430 U	380 U	380 U	340 U
Aroclor-1242	33	200 U	430 U	380 U	380 U	340 U
Aroclor-1248	33	200 U	430 U	380 U	380 U	340 U
Aroclor-1254	33	200 U	430 U	380 U	380 U	340 U
Aroclor-1260	33	200 U	430 U	380 U	380 U	340 U
DILUTION FACTOR:	5.0/20.0*	10.0	10.0	10.0	10.0	1.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE EXTRACTED:	.09/29/03	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03
DATE ANALYZED:	10/03/03	10/03/03	10/04/03	10/04/03	10/03/03	10/03/03
% MOISTURE:	18	24	15	13	4	7

\* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36  
CASE: 0633F SDG: D11826  
LABORATORY: PACE ANALYTICAL

TABLE 3  
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSES  
NON-VALIDATED DATA  
μg/kg

SAMPLE NUMBER:	D11841	D11842	D11843	D11844	D11845	D11846
SAMPLE LOCATION:	SS-13	SS-14	SS-15	SS-16	SS-17	SS-18
LABORATORY NUMBER:	53289.16	53289.17	53289.18	53289.19	53289.20	53289.21
COMPOUND	CRQL					
alpha-BHC	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
beta-BHC	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
delta-BHC	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
gamma-BHC (Lindane)	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
Heptachlor	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
Aldrin	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
Heptachlor Epoxide	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
Endosulfan I	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
Dieldrin	3.3	3.5 U	18 U	35 U	47 U	4.4 U
4,4'-DDE	3.3	3.5 U	18 U	35 U	47 U	4.4 U
Endrin	3.3	3.5 U	18 U	35 U	47 U	4.4 U
Endosulfan II	3.3	3.5 U	18 U	35 U	47 U	3.9 J
4,4'-DDD	3.3	3.5 U	18 U	35 U	47 U	4.4 U
Endosulfan Sulfate	3.3	3.5 U	18 U	35 U	47 U	4.4 U
4,4'-DDT	3.3	3.5 U	18 U	35 U	47 U	R
Methoxychlor	17	18 U	94 U	180 U	240 U	23 U
Endrin Ketone	3.3	3.5 U	18 U	35 U	47 U	4.4 U
Endrin Aldehyde	3.3	3.5 U	18 U	35 U	47 U	4.4 U
alpha-Chlordane	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
gamma-Chlordane	1.7	1.8 U	9.4 U	18 U	24 U	2.3 U
Toxaphene	170	180 U	940 U	1800 U	2400 U	230 U
Aroclor-1016	33	35 U	180 U	350 U	470 U	44 U
Aroclor-1221	67	71 U	370 U	700 U	950 U	90 U
Aroclor-1232	33	35 U	180 U	350 U	470 U	44 U
Aroclor-1242	33	35 U	180 U	350 U	470 U	44 U
Aroclor-1248	33	35 U	180 U	350 U	470 U	44 U
Aroclor-1254	33	35 U	180 U	350 U	470 U	44 U
Aroclor-1260	33	35 U	180 U	350 U	470 U	44 U
DILUTION FACTOR:		1.0	5.0	1.0	10.0	1.0
DATE SAMPLED:	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03	09/24/03
DATE EXTRACTED:	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03	09/29/03
DATE ANALYZED:	10/03/03	10/04/03	10/04/03	10/03/03	10/03/03	10/03/03
% MOISTURE:	6	11	7	30	26	22

\* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, 36

CASE: 0633F SDG: D11826

LABORATORY: PACE ANALYTICAL

TABLE 3  
PESTICIDE/POLYCHLORINATED BIPHENYL SOIL ANALYSES  
NON-VALIDATED DATA  
μg/kg

SAMPLE NUMBER:	D11847	D11848
SAMPLE LOCATION:	SS-19	SS-20
LABORATORY NUMBER:	53289.22	53289.23
COMPOUND		CRQL
alpha-BHC	1.7	2.2 U
beta-BHC	1.7	2.2 U
delta-BHC	1.7	2.2 U
gamma-BHC (Lindane)	1.7	2.2 U
Heptachlor	1.7	2.2 U
Aldrin	1.7	2.2 U
Heptachlor Epoxide	1.7	2.2 U
Endosulfan I	1.7	2.2 U
Dieldrin	3.3	4.3 U
4,4'-DDE	3.3	4.3 U
Endrin	3.3	4.3 U
Endosulfan II	3.3	4.3 U
4,4'-DDD	3.3	4.3 U
Endosulfan Sulfate	3.3	4.3 U
4,4'-DDT	3.3	4.3 U
Methoxychlor	17	22 U
Endrin Ketone	3.3	4.3 U
Endrin Aldehyde	3.3	4.3 U
alpha-Chlordane	1.7	2.2 U
gamma-Chlordane	1.7	0.23 J
Toxaphene	170	220 U
Aroclor-1016	33	43 U
Aroclor-1221	67	87 U
Aroclor-1232	33	43 U
Aroclor-1242	33	43 U
Aroclor-1248	33	43 U
Aroclor-1254	33	43 U
Aroclor-1260	33	43 U
DILUTION FACTOR:	1.0	1.0
DATE SAMPLED:	09/24/03	09/24/03
DATE EXTRACTED:	09/29/03	09/29/03
DATE ANALYZED:	10/03/03	10/03/03
% MOISTURE:	23	13

\* - RESULT REPORTED FROM DILUTED ANALYSIS.

NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, & 36  
CASE: 0621F SDG: D11829  
LABORATORY: SENTINEL, INC.

TABLE 1  
INORGANIC SOIL ANALYSES  
mg/kg

SAMPLE NUMBER:	D11829	D11830	D11831	D11832	D11833	D11834	D11835			
SAMPLE LOCATION:	SS-01	SS-02	SS-03	SS-04	SS-05	SS-06	SS-07			
LABORATORY NUMBER:	51499	51500	51501	51502	51503	51504	51505			
PERCENT SOLIDS:	86.0	86.5	75.8	77.7	76.5	88.0	83.3			
INSTRUMENT DETECTION LIMITS (mg/kg)						CONTRACT DETECTION LIMITS (mg/kg)				
INORGANIC ANALYTES	METHOD									
ALUMINUM	P	8.5	8980	7980	12000	8210	8460	6230	6330	40
ANTIMONY	P	1.0	1.2 UJ	1.2 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.1 UJ	1.2 UJ	12
ARSENIC	P	0.86	6.3	6.4	7.4	6.8	5.5	7.2	6.9	2
BARIUM	P	0.34	31.3	28.6	53.4	47.6	59.3	26.6	45.2	40
BERYLLIUM	P	0.04	0.29	0.29	0.41	0.29	0.30	0.20	0.25	1
CADMIUM	P	0.16	0.19 U	0.18 U	0.21 U	0.26 J	0.21 U	0.18 U	0.19 U	1
CALCIUM	P	97.7	1160	1120	1990	2840	1630	1320	1760	1000
CHROMIUM	P	0.24	15.3 J	13.4 J	21.6 J	13.7 J	39.0 J	10.4 J	11.5 J	2
COBALT	P	0.28	5.3	4.9	7.2	4.7	4.3	4.5	5.2	10
COPPER	P	0.32	8.2	7.9	12.4	8.2	10.6	9.9	11.6	5
IRON	P	5.3	9940	8960	14700	9420	10300	8470	8200	20
LEAD	P	0.50	16.2 J	21.0 J	40.9 J	89.1 J	231 J	104 J	22.5 J	0.6
MAGNESIUM	P	7.2	2200	2080	3190	1900	1800	1690	1970	1000
MANGANESE	P	0.32	151	120	281	175	171	106	129	3
MERCURY	CV	0.05	0.08 J	0.06 UJ	0.59	0.22 J	0.61	0.06 UJ	0.06 UJ	0.1
NICKEL	P	0.40	13.1	12.6	16.1	11.8	10.7	12.7	12.5	8
POTASSIUM	P	5.4	1150 J	938 J	2040 J	1130 J	943 J	1110 J	1130 J	1000
SELENIUM	P	0.64	1.5 UJ	1.5 UJ	1.1 UJ	0.84 UJ	1.6 UJ	0.73 UJ	1.0 UJ	1
SILVER	P	0.44	0.51 U	0.51 U	0.58 U	0.57 U	0.58 U	0.50 U	0.53 U	2
SODIUM	P	89.7	283	242	343	274	324	252	311	1000
THALLIUM	P	1.0	1.2 U	1.2 U	1.4 U	1.3 U	1.4 U	1.2 U	1.2 U	2
VANADIUM	P	0.28	24.7	24.9	33.2	24.3	30.0	16.5	19.7	10
ZINC	P	2.3	32.3	45.3	79.8	75.1	77.0	34.7	29.8	4

ANALYTICAL METHOD

P - ICP  
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NOTE: RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

SITE: LISBON MILLER LOTS 34, 35, & 36  
CASE: 0621F SDG: D11829  
LABORATORY: SENTINEL, INC.

TABLE 1  
INORGANIC SOIL ANALYSES  
mg/kg

SAMPLE NUMBER:	D11836	D11837	D11838	D11839	D11840	D11841	D11842
SAMPLE LOCATION:	SS-08	SS-09	SS-10	SS-11	SS-12	SS-13	SS-14
LABORATORY NUMBER:	51506	51507	51508	51509	51510	51511	51512
PERCENT SOLIDS:	77.0	83.3	85.8	95.8	92.6	94.3	88.9

INORGANIC ANALYTES	METHOD	INSTRUMENT DETECTION LIMITS (mg/kg)							CONTRACT DETECTION LIMITS (mg/kg)	
		P	8.5	9460	9390	4830	4450	5290	8960	8220
ALUMINUM	P	1.0	1.3 UJ	1.2 UJ	1.2 UJ	1.0 UJ	1.1 UJ	1.1 UJ	1.1 UJ	12
ANTIMONY	P	0.86	6.6	8.7	5.3	6.4	11.1	30.6	12.5	2
ARSENIC	P	0.34	59.1	47.0	60.8	27.3	23.6	33.1	35.6	40
BARIUM	P	0.04	0.36	0.45	0.35	0.14	0.21	0.35	0.22	1
BERYLLIUM	P	0.16	0.21 U	0.19 U	0.19 U	0.22 J	0.17 U	0.17 U	0.18 U	1
CADMIUM	P	97.7	1840	1870	1500	2230	2070	3590	2600	1000
CALCIUM	P	0.24	17.2 J	17.6 J	11.1 J	12.4 J	11.0 J	21.0 J	22.9 J	2
CHROMIUM	P	0.28	5.9	7.1	4.5	3.2	4.2	8.6	5.2	10
COBALT	P	0.32	17.4	17.0	15.3	16.2	9.4	17.7	16.6	5
COPPER	P	5.3	11200	12000	7380	6550	6630	11800	11000	20
IRON	P	0.50	56.7 J	54.0 J	80.4 J	77.6 J	29.5 J	21.0 J	40.1 J	0.6
LEAD	P	7.2	2450	2920	1510	1730	1940	3240	3260	1000
MAGNESIUM	P	0.32	171	180	98.2	89.5	101	187	121	3
MANGANESE	P	0.05	0.36 J	0.07 J	0.06 UJ	0.05 UJ	0.05 UJ	0.05 UJ	0.06 UJ	0.1
MERCURY	CV	0.40	18.2	18.6	13.5	9.8	13.3	23.5	17.1	8
NICKEL	P	5.4	1590 J	1660 J	1140 J	1050 J	1300 J	2110 J	2330 J	1000
POTASSIUM	P	0.64	1.6 UJ	0.88 UJ	0.75 UJ	0.67 UJ	0.69 UJ	0.86 UJ	0.72 UJ	1
SELENIUM	P	0.44	0.57 U	0.53 U	0.51 U	0.46 U	0.48 U	0.47 U	0.49 U	2
SILVER	P	89.7	316	285	288	343	408	446	403	1000
SODIUM	P	1.0	1.4 U	1.2 U	1.2 U	1.1 U	1.1 U	1.1 U	1.2 U	2
THALLIUM	P	0.28	24.9	31.7	26.6	11.3	15.0	21.6	20.1	10
VANADIUM	P	2.3	84.1	41.8	39.2	41.7	27.8	31.2	51.7	4
ZINC	P									

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SITE: LISBON MILLER LOTS 34, 35, & 36  
CASE: 0621F SDG: D11829  
LABORATORY: SENTINEL, INC.

TABLE 1  
INORGANIC SOIL ANALYSES  
mg/kg

SAMPLE NUMBER:	D11843	D11844	D11845	D11846	D11847	D11848
SAMPLE LOCATION:	SS-15	SS-16	SS-17	SS-18	SS-19	SS-20
LABORATORY NUMBER:	51513	51514	51515	51516	51517	51518
PERCENT SOLIDS:	93.6	69.6	76.8	77.6	83.4	91.1

INORGANIC ANALYTES	METHOD	INSTRUMENT DETECTION LIMITS (mg/kg)	D11843	D11844	D11845	D11846	D11847	D11848	CONTRACT DETECTION LIMITS (mg/kg)
ALUMINUM	P	8.5	5050	10100	9080	9120	9790	7140	40
ANTIMONY	P	1.0	1.1 UJ	1.4 UJ	1.3 UJ	1.3 UJ	1.2 UJ	1.1 UJ	12
ARSENIC	P	0.86	7.2	7.8	5.6	4.8	5.5	12.3	2
BARIUM	P	0.34	18.5	92.3	102	49.6	32.9	36.0	40
BERYLLIUM	P	0.04	0.12	0.37	0.29	0.32	0.35	0.29	1
CADMIUM	P	0.16	0.17 U	0.25 J	0.35 J	0.21 U	0.19 U	0.18 U	1
CALCIUM	P	97.7	2060	2650	1690	1670	1100	2000	1000
CHROMIUM	P	0.24	10.7 J	27.1 J	18.3 J	17.9 J	16.1 J	18.2 J	2
COBALT	P	0.28	3.5	3.9	4.1	4.9	4.9	5.9	10
COPPER	P	0.32	6.6	16.3	18.2	9.4	8.1	15.0	5
IRON	P	5.3	6820	11000	9600	10000	10700	18600	20
LEAD	P	0.50	11.3 J	348 J	236 J	29.1 J	20.9 J	42.0 J	0.6
MAGNESIUM	P	7.2	1830	1670	1830	2140	2260	2770	1000
MANGANESE	P	0.32	96.4	209	174	206	165	184	3
MERCURY	CV	0.05	0.05 UJ	0.12 J	0.07 UJ	0.06 UJ	0.06 UJ	0.06 UJ	0.1
NICKEL	P	0.40	9.6	8.0	8.1	9.1	8.7	15.1	8
POTASSIUM	P	5.4	1430 J	711 J	784 J	1050 J	956 J	1620 J	1000
SELENIUM	P	0.64	0.68 UJ	1.3 UJ	1.0 UJ	1.8 UJ	1.5 UJ	1.4 UJ	1
SILVER	P	0.44	0.47 U	0.63 U	0.57 U	0.57 U	0.53 U	0.48 U	2
SODIUM	P	89.7	331	389	338	258	257	1030	1000
THALLIUM	P	1.0	1.1 U	1.5 U	1.4 U	1.3 U	1.2 U	1.1 U	2
VANADIUM	P	0.28	11.2	26.6	25.0	24.4	21.5	24.7	10
ZINC	P	2.3	21.2	179	139	51.4	39.0	971	4

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